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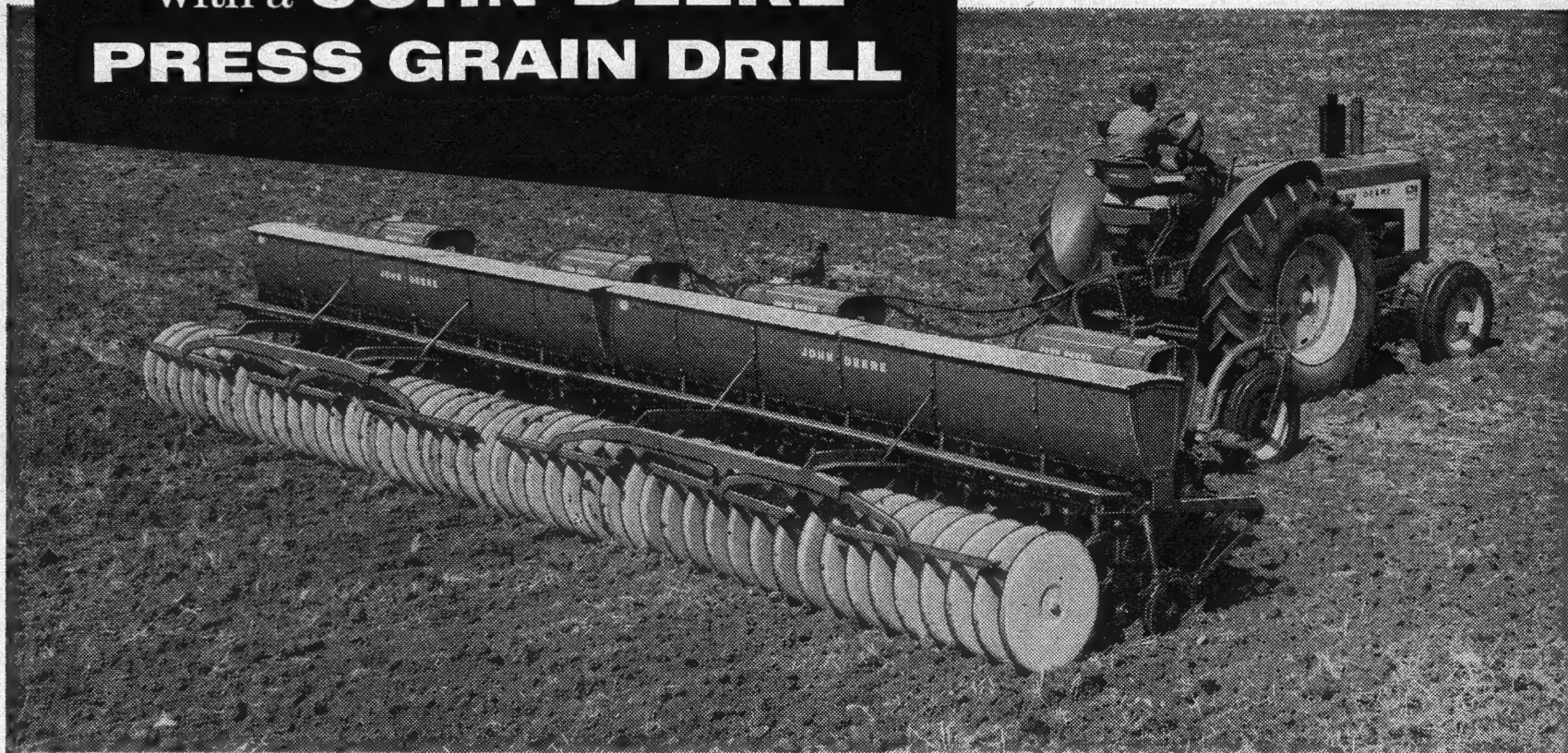
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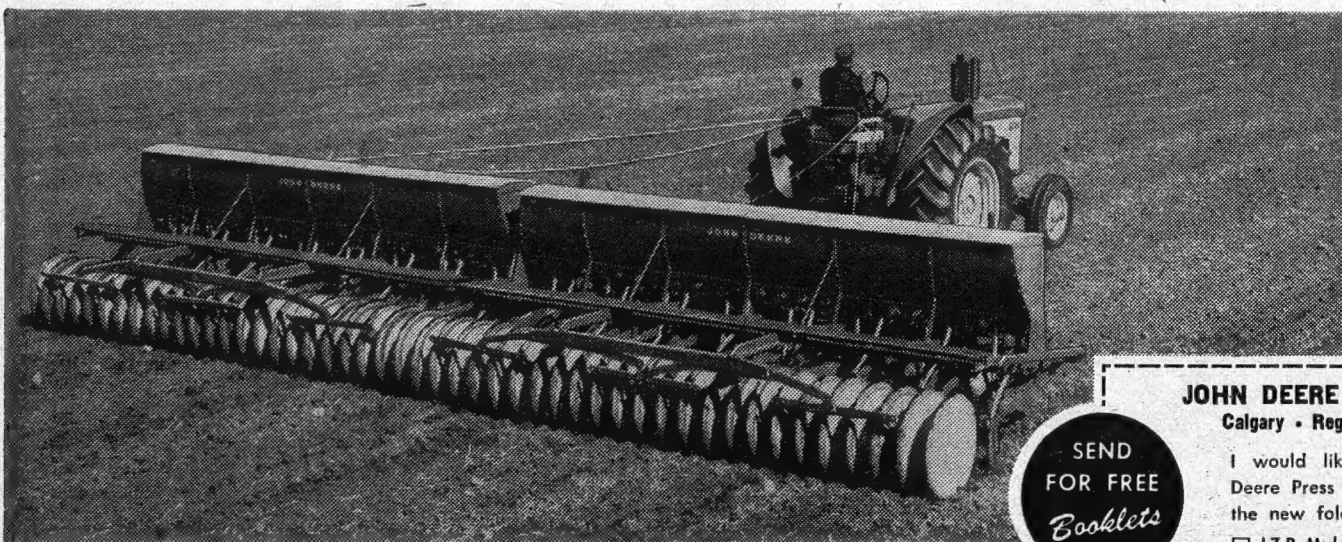
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Farm and Ranch Review

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Contents—

Editorials	4
Wheat and Chaff	5
Cattle in Their Continental Aspects	6
New Future For a Prairie Town	8
Picked Up in Passing	10
Progressive Pig Factory	14
Pellets	18
'A Budgie for Bobby — Kerry Wood	22
Women's Page	24
Stern Wheeler on the Prairies	26

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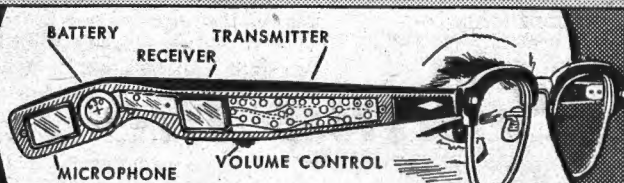
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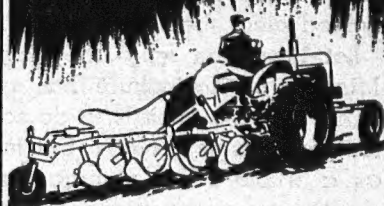
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Editorials . . .

Ottawa or bust . . .

We're going, yes!...but where are we going?

IT WOULD take gallons of midnight oil for Agriculture Minister Harkness to read the name of every farmer backing the march on Ottawa. The petition support has grown by leaps and bounds.

Although no particular farm organization publicly claims credit for all the organization that is being done, this is one time when delegates can justifiably claim that they are making the march with the blessings of the majority of prairie farmers. However, the purpose of their mission is not so clear.

As a Peace River farmer pointed out, a mass delegation has already been sent to Ottawa with the sweep of western seats that helped elect the Conservative government. "Let them see what they can do". The Minister of Agriculture has provided evidence that he intends to do something, not for grain farmers alone, but for agriculture as a whole. The stop-gap acreage payments were never intended to be more than

temporary relief. The Prime Minister has stated that a crop insurance study is underway. Certainly the government has considered deficiency payments, but these might be covered by a more comprehensive plan that will take time to work out.

Other farm factions worry that the march may become a "big stick" to wave in front of Ottawa, which may force the government into premature action with hasty legislation loaded to the hilt with potential weaknesses. A short-sighted policy of subsidies would certainly be followed by production control and all the other regimentation that has evolved time and again in so many countries. If Mr. Harkness can solve society's basic farm problems, even at his own speed, he will achieve something that will be the envy of governments around the world.

There is always the danger that thousands of reasonable and right-thinking farmers could find their misfortunes and group enthusiasm harnessed by others for

purely political reasons; that is, to embarrass the Conservative Government in Ottawa.

The rallying cry is for "deficiency payments", but the heart of the matter is that farmers want equality of reward for their contribution to the nation's economic health.

Even though indirectly subsidized by agriculture, industry is rapidly pricing itself out of world markets. Canadian farmers, on the other hand can still compete with other farmers around the world. The dangers of any form of farm subsidy is that it might put agriculture in the same position as industry and hinder its ability to compete on the world scene. If industry could boost its production and lower costs the cost-price squeeze would relax for the farmers, and Canadian in general would be on an equal footing. Even a two-price system would permit the farmers to compete abroad but make the rest of Canada pay farmers a decent price for the goods they are producing.

For these, and other reasons, farmers must make sure that they know how the delegates will act on their behalf when they get to Ottawa.

One thing may be said without much fear of contradiction. Farmers of the West are solidly behind any publicity action — including a march on Ottawa — that will bring their plight before the Canadian public . . . the fact that prairie farmers are captives of the cost-price squeeze and that they have been denied their fair share of the nation's post-war prosperity.

A good start

A SMALL crack has opened in the armour of State monopoly.

The Conservatives in Ottawa have given Canadian Pacific Airlines the green light for limited operations in the domestic market in this country.

A close look at the findings of the air transport board suggests that an honest and well-considered decision has been reached which will encourage the normal evolution of privately-owned airlines with a minimum of inconvenience and cost to the public.

If these first cautious feelers confirm that private enterprise can indeed do the same job as a State airline (which, of course, it can), then the time may be rapidly approaching when the government can get out of the airline business entirely by selling out TCA to some other private group, — lock, stock and barrel. TCA will then have done its job of filling the vacuum in our airlines with a strictly Canadian service until such a time as non-government enterprise could shoulder the responsibility.

A monopoly is a monopoly, and a private monopoly would be no more acceptable than a government monopoly, although in the long run the State monopoly is potentially the more dangerous. Laws protect the public from abuses of private monopoly, but there is no law above the State if government refuses to loosen its grip.

Transport Minister Hees possibly had this in mind when he also took steps to encourage smaller airlines to offer "limited competition" in regional operations. This could bring a two-fold blessing. It could help establish a network of rural airline ser-

vices to give the farm population — especially of the West — a few more of the conveniences of air travel, but more important still, it would nurture smaller airlines to the point where they might eventually have the experience and capital to replace TCA completely when the market can eventually support two independent and non-State airlines.

Government control of the competitors would rest in the hands of the air transport board, but government would at least be out of another competitive commercial business.

It is to be hoped that the Conservative government will not alter course, now that another election promise has been disposed of, and that the crack in the armour of State monopoly will widen and split open other fields now dominated by other crown corporations.

Setting the tone

THERE was little crying over spilt milk at the National Dairy Convention in Calgary last month. Dairymen from across the country rolled up their sleeves and prepared to tackle their own problems with a minimum of government help.

There are plenty of problems, too. Dr. H. A. Derby, chief of the federal Dairy Products Division, pointed out that even though Canadian dairymen continue to squeeze more milk out of fewer cows every year, the dairy industry was still pricing itself out of foreign markets. It's no secret that margarine is about half the cost of butter.

But dairymen are not just passing their

buck to someone else. Within the past ten years they have spent some \$40,000,000 of their own money in promotion of dairy products, and have given ample indication that they would prefer to pull themselves up by their own bootstraps rather than turn to "government aid" as a solution to all their difficulties.

Somewhat the same tone was set at this convention.

W. B. Rettie, President of the Dairy Farmers of Canada, noted the splendid assistance dairymen have already had from the government in such things as floor prices for butter during the current period of surplus, and until something better could be found. But he argued that dairymen should show their appreciation and foster this spirit of co-operation.

He told the convention most emphatically that it should go on record — not privately, but with a public statement — that within our own organization and industry "we are not trying to pile up more surpluses at the door of government for it to get rid of."

Such statements from any leader of a national body are increasingly welcome in a day when the phrase "government aid" is almost becoming a dirty word.

Financial box score

Shipping a tractor from Montreal to Calgary in 1948 cost \$108

Shipping the same tractor the same distance today costs \$204

In the same period the cash returns for grain farmers has dropped about 30%.

THE Freighters who plied the old Whoop-up trail from Fort Benton into Southern Alberta wouldn't believe their eyes if they could see the outfits travelling the route today.

Twenty-ton trucks with 10 speeds ahead, air-conditioned cabs to ward off the heat, the dirt and the bugs, or to make things warm and cosy on a cold day, while music from a radio helps to pass the time would have been beyond their reckoning.

The boys in those days earned their money the hard way, sitting long hours out in the open in slow-moving, jolting wagons, breathing the alkali dust, cooking under a hot prairie sun, or hunched stoically in the wind, the rain or the sleet. No roar of giant exhausts or singing tires shattered the prairie quiet. There was only the creak and groan of wagon wheels, the plod, plod, plod of scores of oxen, the crack of the great bull whips together with the shouts of the



Bull train drivers hauling supplies (possibly including whiskey) from Fort Benton, Montana, to the notorious Fort Whoop-up, Alberta, camp along the trail. This trail was the main supply route serving Western Canada from the Missouri River and up to 100 separate outfits would be on the move at a time.

Grub-Pile

drivers as they bullied their teams into greater effort.

Neither did the driver of the

1860's to 1890's make home at night, or rest in the luxury of a comfortable hotel. He camped

where time overtook him after a long, tough day in which he had snaked his outfit over 15 or 20 miles of prairie ruts, badger holes, burn-outs and buffalo wallows.

The bull-trains took from 14 to 16 days to make the 240 miles from Fort Benton, Montana, to Fort Whoop-up, Alberta. But it was a busy trail for the times. Early travellers have told of meeting more than 100 outfits going one way. Generally travel was made in "trains"; about 10 "teams" to the train, each "team" made up of three wagons hauled by 8 yoke of oxen.

In the above rare old-time picture a group of drivers (a hardy species — well paid, and the big-shots of their way of life) have made camp and are enjoying their evening meal. They'll be climbing into their bed rolls long before dark and will be off again with the dawn.

Some of the heavily loaded wagons can be seen at the top of the picture on the horizon.

THE question, "What makes a woman happy," was posed at a British luncheon of "women of the year".

"Marrying a fine man," said Lady Ailes.

"Giving and receiving," thought a ballerina, while a hospital matron suggested, "love of fellow man and woman, work and helpfulness."

But the majority agreed with comedienne Joyce Grenfell who said without hesitation, "Taking off my girdle at the end of a hard day."

A SUCCESSFUL banker has to "No" the wrong people.

WERE gullible enough, but we don't know whether to swallow this or not: A small-town Missouri paper states: "The Day Funeral Home and the Knight Funeral Home merged today. The new, Day and Knight Funeral Home, will offer 24-hour service."

MUCH of the humoring of rich relatives is just a good-WILL gesture.

AND Jim Phelan, king of the British tramps, turned writer, writes what every farm boy (and man) already knows: "The cows in a barn, in the bitter cold of winter are very beautiful companions. There's a lovely feel to the place — a warmth and comfort that is just incredible until you have tried it."

WE don't know how on earth they find these things out, but here is what Dr. Peter Haskell, a European entomologist says:

"Sometimes, while a male grasshopper is serenading a female with his song, another male turns up and also tries to sing to the same female. Then the first male turns to the intruder and they sing a special song called 'the rival's duet,' which is nothing less than a contest in sound for the right to woo the female. After a short time in this bloodless conflict one of the males gives in and retires" (probably spitting tobacco juice dejectedly) "and the victor proceeds with his courting."

NEARLY everyone has a wonderful book that someday they would like to write — their autobiography.

A little wheat— —a little chaff

by IVAN HELMER

IF people sometimes think you're a little off the beam, dull company, or just plain neurotic, it may be that you don't know how to dress. A Dr. Ernest Dichter, described as a 'motivation research exponent,' a title certainly carrying weight, if not meaning, says in part: "Wool is 'masculine'; synthetics 'fail to deliver an emotional message'; cotton clothes, 'indicate innocence with a promise of underlying sexuality'." For a start, we are going to discard our cotton shirts and get into wool — we can't be living a lie.

"BELIEVE in luck," says Niels Svendsen, winner of a "Get Ahead" competition, "but don't trust to it."

INVENTORS slave night and day to add to our joy and comfort. One has just patented a pants-remover — something on the principle of the old boot-jack. Stick your leg in it and fingers yank off the pant leg. It is designed for people (well or sick) who have trouble leaning over. Out here one might prove practical after festive occasions, or during Bonspiels.

A SELF-MADE youngster offers his formula of success to the world: "All that I am, or ever will be, I owe."

THE American Army, in seeking a gas to put the enemy harmlessly to sleep, reports that it has a gas so far which makes cats afraid of mice. All that is needed now is a gas that will turn Russians into cats and our men into mice.

GREECE, it would seem, is a backward country, yet without the Progressive light. Juvenile delinquents there are paraded through the street, their heads shaved for the occasion, their trouser cuffs cut off, and a placard round their necks stating their offence.

THE politician's favorite dance, says the Sherbrooke, Que., Review, is the side-step.

AND the Windsor Star remarks: "There is a moral somewhere in this; you find it: United Church of Canada raises annual salaries of ministers to \$3,400.00. Beer-handlers settle for \$4,300.00."

THE St. Catherine's Standard commenting on the puzzle of the English language uses the word "economy" as an example and asks: "How is it that the word 'economy' means the large size in cereals and soap flakes, but means the small size in automobiles?"

MODERN work habits have driven at least one large firm to post the following:

NOTICE:

"Due to increased competition and the keen desire to remain in business, we find it necessary to institute a new policy.

"Effective immediately we are asking that somewhere between starting and quitting time and without infringing too much on the time devoted to lunch period, coffee breaks, rest periods, story telling, ticket-selling, golfing, auto racing, horse selections, window gazing, vacation planning, and rehashing of yesterday's TV programs, that each employee try to find some time that can be set aside and be known hereafter as The Work Break."

PROGRESS NOTE: Professor Watson of the London University tells us that "We now have an extraordinary knowledge of the history of mammals. We can, for instance, follow the process of gradual change which converts a creature about the size, and something of the build, of the pig into an elephant over a period of some 40,000,000 years."

IT'S possible to make people think you are younger than you are, but you can't fool a jumbo hamburger eaten just before bedtime.

LEADING questions are apt to make retreating friends.

AN obituary in a large city daily paper closes with the following lines: "Please omit flowers — you're too late."

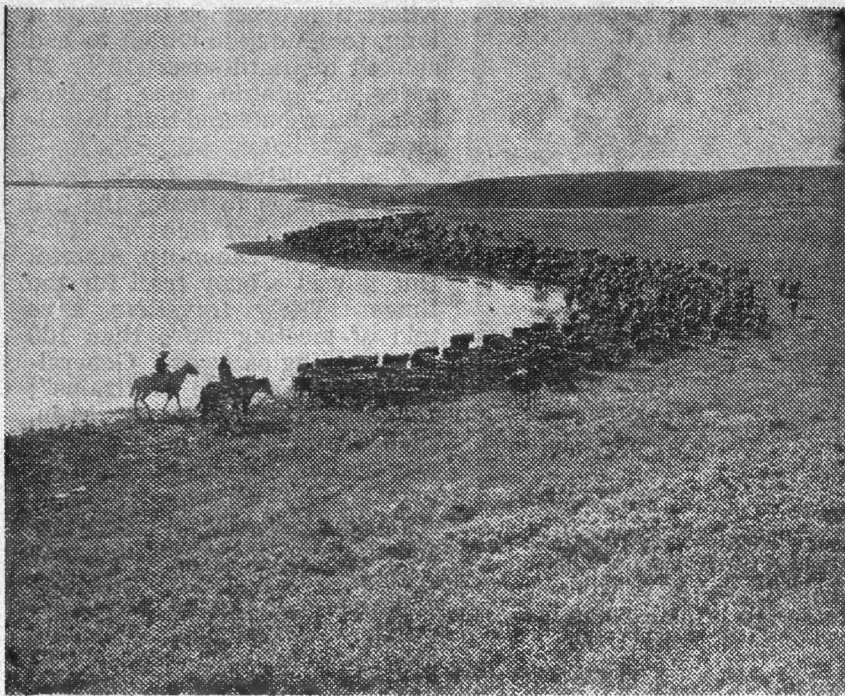
A UNITED STATES publication states: "No enemy nation could take the risk of invading us. Our juvenile delinquents are too well armed."

ANY hardy male reader, who cares for danger and excitement, can try the following advice at his own risk. A lady psychologist and university teacher has just told an advertising convention: "There's only one thing to do when a wife belittles you. Knock her down. Don't hesitate — absolutely flatten her. That's what she really wants. She'll love you for it." H'mm — well personally we think we'll just go along in the same old way.

PEOPLE who have lawn mowers should: "Get a cow," says a New England farm paper, because: "A cow is the only self-propelled lawn mower now on the market that can say, 'moo', produce 10 to 20 quarts of milk a day, jump a fence, or eat up a vegetable garden. Every cow can mow a strip of lawn four inches wide and a quarter of a mile long EVERY day. She does this without having to be guided, cranked, oiled, kicked or paid overtime."

IT'S a mercenary life. At Maldon, England, a man claims he was charged 18 cents for saving a boy from drowning. He says he plunged into a swimming pool, fully dressed, to aid a lad in difficulty, but when he went to change his wet clothes the attendant refused to let him into a locker until he paid the fee.

A BUSINESS man has this reminder posted in his office: "If you could kick in the pants the person responsible for most of your troubles you wouldn't be able to sit down for six months."



National Film Board Photo.
Beef cattle have been the west's "ace in the hole" during the last few years of a discouraging grain trade. Above is a small round-up on part of the 54,000-acre Minor Branch at Abbey, Saskatchewan. John Minor flies his own airplane for a quick check of his cattle range.

Cattle in their continental aspect

by GRANT MacEWAN

FIGURES for 1958 will probably show beef cattle as having paid for a bigger share of western farm purchases in equipment, supplies and groceries than ever before. With wheat continuing to move slowly and the cattle market particularly brisk, many farmers would be ready to agree with the Central Alberta producer who said: "The steers sure saved the day for me."

Year-end figures for the cattle trade were impressive: Canadian cattle exported to the United States exceeded 600,000 head; the Alberta Stock Yards at Calgary handled 414,535 cattle and calves in the 12 months; cattle slaughterings in federally inspected plants across the country totalled 1,870,493; and the Calgary price for choice steers as the year ended was around \$26 per hundred.

Beef consumption for the year was somewhat lower — as pork was higher — but the cattle industry seemed to be enjoying particularly good health, thanks in large measure to the export trade. The export total, including feeder cattle, slaughter cattle, dairy cattle and pedigree breeding animals, was the biggest in many years. At the same time, some 54 million pounds of dressed beef were shipped across the border, also about 35,000 sheep and lambs and 6,000 pigs. And more surprising, a few head of United States cattle — about 2,000 head — moved in the opposite direction to be consumed in Eastern Canada.

The United States market for Canadian cattle through the years has appeared independ-

able and uncertain but there is reason to believe that the rapidly increasing population of American consumers will recognize a growing need for imported meats, even though certain interests in that country raise protests now and then. That being so, Canadian producers — though recognizing the domestic market as their best one — would do well to think largely in terms of the continental market. As long as cattle are crossing North American borders, prices will be influenced strongly by North American supply and demand. Even Mexico which has long been a supplier and exporter, will play a part in the state of cattle markets in the North.

When United States cattle prices are sufficiently higher than Canadian prices to meet freight, duty and some inducement to shippers, Canadian cattle will move northward. In exactly the same sense, if Toronto prices are sufficiently above those at the Chicago market to pay shipping costs and a little more, United States cattle can be expected to move northward. It would be most surprising, however, if the northward movement were ever more than slight.

Most Canadian cattle exported in 1958 classified as feeders — more than 450,000 of them and more than double the number exported the year before. Of slaughter cattle, there were 82,000, and calves, 15,000. Thus the United States import quota of 400,000 cattle admitted on a duty of 1½ cents a pound was exceeded and part of the export movement would be subject to the higher duty of 2½ cents.

And so, the Canadian cattleman must have an interest in the forces which influence market on both sides of the International Border — and, indeed, in Mexico. When a United States authority says — as he did recently — that cattle prices in his country in 1959 are likely to average out about the same as in 1958, the statement should be newsworthy in Canada. Trends in cattle population and human population in the neighboring country might be almost as important to us as trends of similar kind at home. The year-end report from south of the line that American farmers are expanding in their production of cattle, sheep and pigs, is certainly worth noting in Manitoba, Saskatchewan and Alberta.

Canada, at June 1, 1958, had roughly 11 million cattle with nearly 25 per cent of them in the Province of Alberta. That is a million and a half higher than the Canadian total of 10 years earlier. And the United States which had 77 million cattle 10 years ago, is now reporting a near-record of close to 98 millions. Mexico, by the most recent count available, had 16 million cattle. These figures would give the North American continent a total population in cattle of 125 million head.

When compared with corresponding figures from earlier years, that total may seem very high. It has never been much higher. But cattle numbers should be examined in relation to human population and when that is done, the continental situation should produce more of confidence than fear.

Canada's human population now stands at about 17½ millions — is expected to reach 18 millions in 1960. In the United States there are now 175 million people, with the total population rising about three millions every year. In both countries, con-

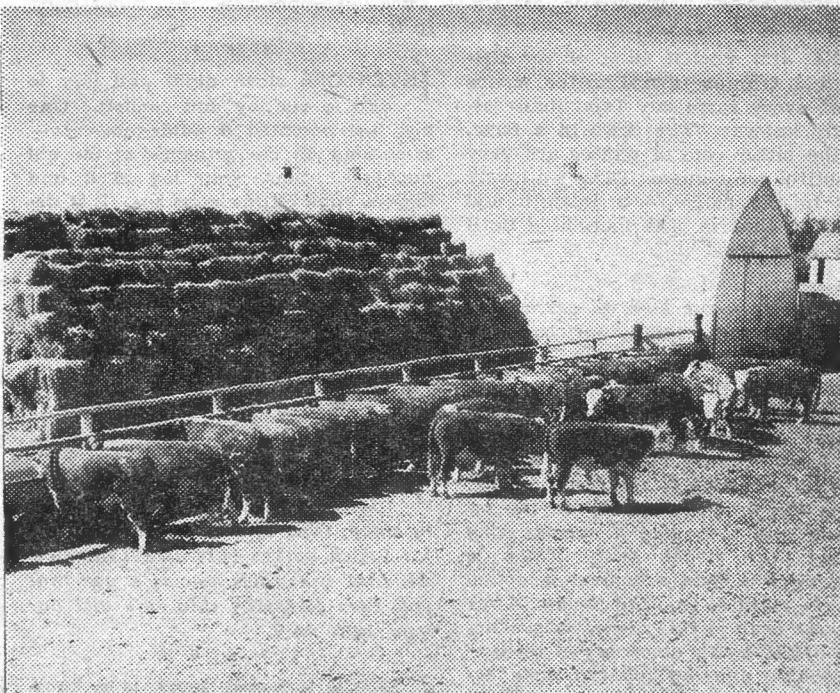
sumers have been increasing their numbers faster than cattle and other meat animals. The inevitable conclusion is that the United States will be the first to realize how its human population is growing away from its animal resources.

World counts for cattle may not have a direct bearing upon the prairie cattleman's return for a fat steer sold at Winnipeg but, certainly, the balance between North American production and consumption can have a direct effect. Hence the importance of watching developments and trends in the neighboring country or countries as well as at home.

At the beginning of the present century, the United States had almost as many cattle as humans. The 68 million cattle represented 900 cattle for every thousand of human population. By 1922 there were 630 cattle per thousand of human inhabitants and by 1958, the ratio had changed further in the same direction to 560 cattle per thousand humans. There was no reason to believe that the trend would not continue as it had done for over half a century.

In Canada the changing pattern was almost the same and by 1958, this country had 593 cattle for every thousand of people. This ratio between cattle and people was only slightly different from that in the United States, but there was a more significant difference, that Canada possessed a substantial capacity for cattle expansion beyond present numbers.

When the two neighboring countries are considered together — and there is obvious reason for studying the combined food resources — the trend has been strikingly steady from about 900 cattle per thousand people at the beginning of the century to 562 cattle per thousand potential consumers in this recent year.



P.F.R.A. Photo.
Young bulls being fed at the Pre-Development Farm at Outlook, Saskatchewan. Feed lots like this, handfulls of stock on mixed farms, and the great herds of the west make up the vast cattle total from which more than 600,000 head were exported to the U.S., alone, last year.

Adding sheep and pigs does not materially change the picture. When cattle, sheep and pigs are reduced to "cattle units", assuming that three pigs or five sheep would roughly equal one average head of cattle in point of productivity, the livestock population of both countries shows 1,278 cattle units per thousand humans at the beginning of this century and only 700 such units at the present time. And so, although livestock numbers may seem to be high, these two nations have only 55 per cent as many animal producers of milk and meat in relation to the people to be fed, as they had 59 years ago.

Canada, and particularly the West of Canada, would seem to have a bright future in beef and growers should plan accordingly. Like everything else, cattle will experience fluctuations in demand and the 12 to 15-year cycle will probably continue to operate. But on the "long pull," there is reason for faith in the industry.

Giving support to this belief,



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1959 CATALOGUE.

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the Gordon Commission, studying Canada's Economic Prospects, could foresee "a production requirement of livestock products in 1965 which is about 38 per cent greater in physical volume than the average of the 1951-55 period. By 1960 the production requirement would be 104 per cent greater than the average level of production in the 1951-55 period."

Moreover, the mid-western provinces should continue to be the beef cattle stronghold of the nation. The West has but a small fraction of the Canadian people, but these three provinces, in 1958, produced and marketed 60 per cent of the country's cattle. And in the year before, Ontario farmers obtained about 85 per cent of their feeder cattle and calves from the West.

These three provinces represent one of the few areas in the northern hemisphere likely to have more of animal products than will be needed at home. As the major consuming areas of this continent feel the growing pressures of increasing demand and diminishing supplies of high-protein foods, Western Canada's grasslands must assume new and greater importance.

Pure-bred stock

CANADIAN registration of purebred animals has steadily risen, and it is estimated that more than 180,000 purebred certificates will be issued this year.

More grasshoppers

GRASSHOPPERS will be a major problem in 1959 over a wide area of southern Saskatchewan, according to R. E. McKenzie, director of the provincial Plant Industry Branch.

Range tests

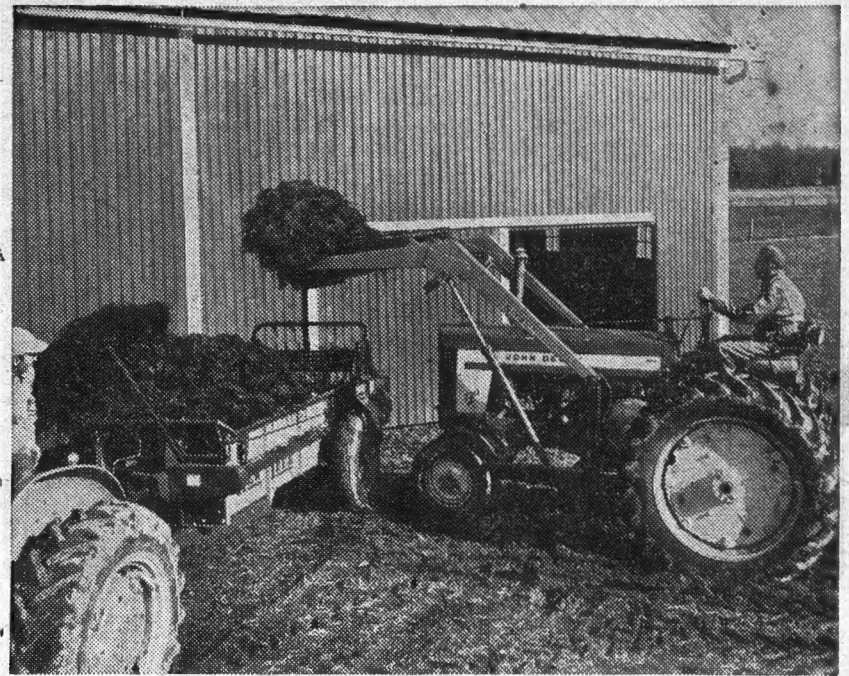
TESTS at the Experimental Farm, Brandon, have shown that the egg production of birds raised on range and in confinement was comparable. The range reared birds although one-quarter of a pound heavier at the end of the laying year required one-tenth of a pound more feed to produce a dozen eggs.

Junior records necessary, too

RECORDS are just as important for 4-H members as for the grown-ups according to the Associate Supervisor of Alberta's 4-H Clubs, V. Jannsen. "Weigh your calf when it is bought," he advises, "and enter the weight along with its cost in your record book. Enter the amount of food used, bi-monthly, or oftener to get a true average at the year's end. Only in this way can you know whether your undertaking was financially profitable, or not. The calf owner will also learn much about his animal and keeping records develops business-like methods."

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There is a difference in loaders. You can see it on this NEW IDEA 500 Series Loader that fits most any tractor... standard tread or row-crop.

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Mount in 15 minutes. You can put a NEW IDEA 500 Series Loader on your tractor by yourself in 15 minutes. Only six spring clip pins and one cotter pin to fasten. No need to change the rear wheel spacing.

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Cor. 7th Ave. and 6th St. E.
Calgary, Alberta



P.F.R.A. Photo.
A checker-board air-view of the country surrounding the site of the South Saskatchewan power and irrigation dam project.

New future for prairie town

THE outlook for Outlook (1958 pop., 882, one bank, a post-office and two branch railway lines) Saskatchewan, was about the same as that of any small prairie town — peaceful, not too interesting — its well-being depending on the amount of rain falling into its life. Nothing in sight to make it larger, livelier or richer — its chief redeeming feature its proximity to the South Saskatchewan River where its inhabitants might cool off after a hot day, or occasionally land a sizzling panful of Goldeyes.

But the bulldozers, the big scrapers, the loaders and the dump-trucks, beginning the gigantic job of moving hundreds of thousands of yards of dirt and rock into the river valley to dam its sluggish waters will change all that.

The whole scene along the

eventual 125 miles of reservoir, and the affected districts will see vast changes with the coming of water, more power and unlimited recreational possibilities. Since Outlook is the closest town to the work which will bring between two and three thousand workers with their families into the district, its prospects are bright. In years to come it will probably be the thriving business center of an irrigational garden of Eden, with a population many times its present one.

Elbow, Sask., about 18 miles west, and the only town which will have beaches on the lake, once it is formed, seems the only possible rival at the moment. Elbow is where the pumping system is installed which supplies water to Moose Jaw and Regina.

Whether the South Saskatchewan river project is practical, or not, (and a Royal Commission in 1952 concluded it was not) the papers have been signed and the project begun. Seven or eight years and some \$200,000,00 from now the dam part of it should be completed. After that, it is estimated, that upwards of fifty years will be required to complete the irrigation schemes supplied by the dam.

As everyone interested knows the idea of damming the South Saskatchewan has been kicked around for years. Saskatchewan has been hoping, dreaming and battling over the scheme for a long time. In 1943 the P.F.R.A. was finally put to work in investigating the feasibility of a project, and studied sites, soil and possible water schemes along 100 miles of the river. The Liberal government refused to go ahead in the matter, but its full-

fillment was a pre-election promise of the present Ottawa government.

The P.F.R.A., long familiar with all the water possibilities in the Palliser triangle, will be in charge of the work. Under the agreement signed by the Saskatchewan and Federal governments, Saskatchewan is pledged to pay \$110,000,000.00 of the cost; one-quarter of the cost of the dam, and all of the costs of the irrigation and power hook-ups.

The dam will stretch across the river valley for more than three miles, at a height of 200 feet, which will allow around 180 feet of water at the dam face.

The dam will be of dirt, chiefly because anchorage along the river is not suitable for concrete. The fill is to be obtained on the job and will be half earth and half clay. Plenty of rock for rip-rapping the inside of the dam is available within a few miles.

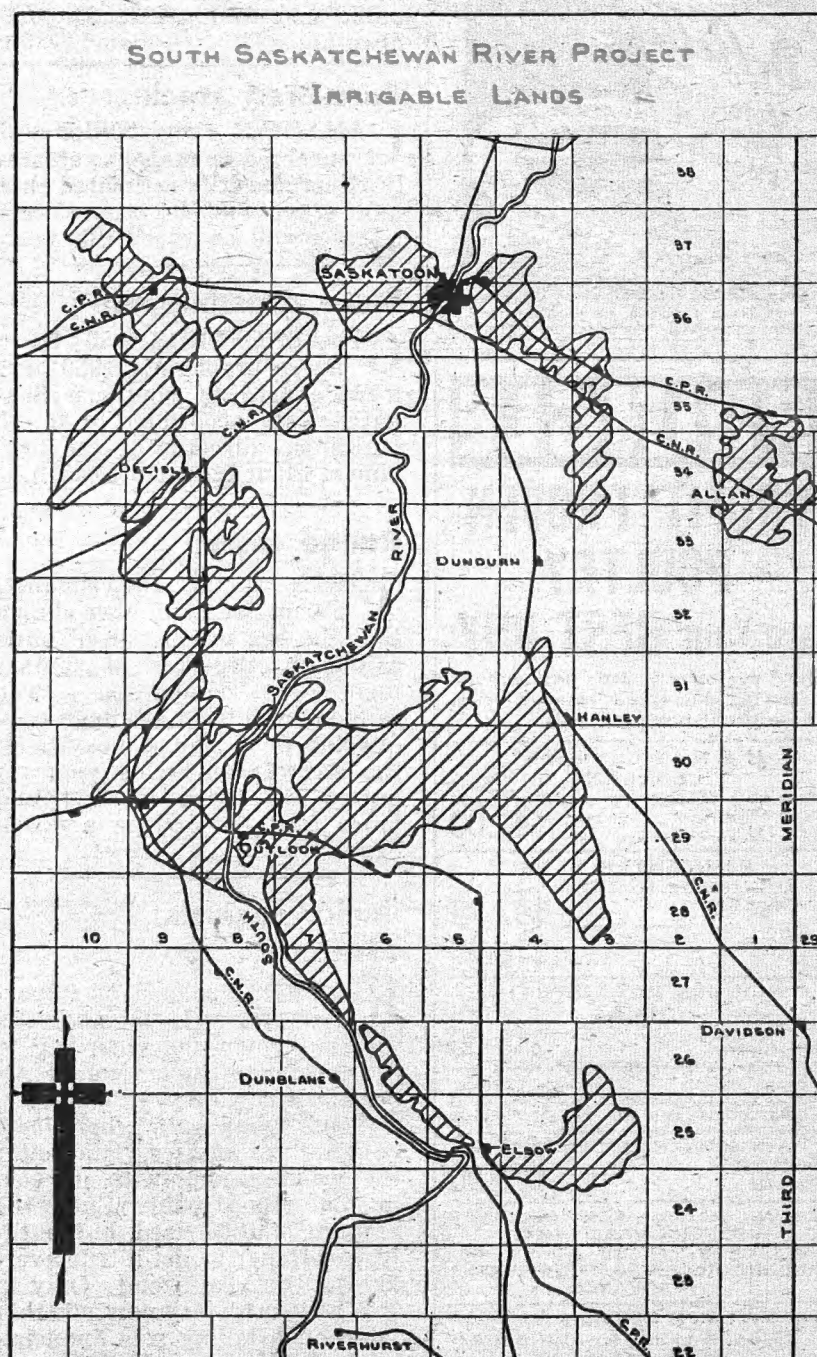
It is claimed that water will be backed up for 130 miles, and that as much as half a million acres may benefit from irrigation. In addition it is estimated

that nearly 400,000 Kilowatt hours of electricity will be added to the power of the power-short prairies.

Besides the late Liberal government, and possibly tax-payers, perhaps the only people not in a hurry to see the project underway are the archaeologists. They can see herds of dinosaur, and much pre-historic material of great scientific interest, now buried in the baked soils of the valley, gone from their reach forever.

One thing is certain—the part of the west affected with water, water everywhere, will never be the same again once the scheme is in operation. And whether the cost is too great, or not, aside from irrigation and power this immense reservoir will be a tremendous asset to the towns, the people and the country within its influence from the standpoint of pleasure. The prospects for fishing, hunting, boating, picnicking and camping are unlimited.

A lake of the size projected will be a magnificent and much appreciated oasis in a near-desert.



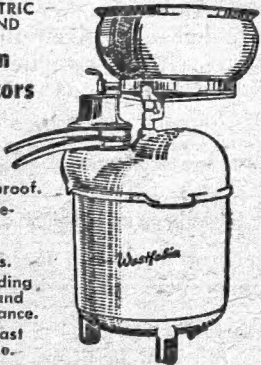
P.F.R.A. Photo.
This scale map indicates the irrigable lands which will eventually be affected by the South Saskatchewan River project. The damsite will be located about half way between Outlook and Elbow.

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EAR NOISES RELIEVED!

... thousands report.

Wonderful relief from years of suffering from miserable ear noises and poor hearing caused by catarrh of the head! That's what these folks (many past 70) reported after using our simple Elmo Palliative HOME TREATMENT. This may be the answer to your prayer. NOTHING TO WEAR. Here are SOME of the symptoms that may likely go with your catarrhal deafness and ear noises: Mucus dropping in throat. Head feels stopped up by mucus. Mucus in nose or throat every day. Hear — but don't understand words. Hear better on clear days — worse on rainy days, or with a cold. Ear noises like crickets, bells, whistles, clicking or escaping steam or others. If your condition is caused by catarrh of the head, you, too, may enjoy wonderful relief such as others have reported during our past 21 years. WRITE TODAY FOR PROOF OR RELIEF AND 30-DAY TRIAL OFFER.

The Elmo Co., Dept. FFR2, Davenport, Iowa



Cheese better

DURING the first ten months of last year 98% of all cheese graded in Canada fulfilled the requirements of Canada First Grade, according to the Department of Agriculture.

Good results with A. I.

CONCEPTIONS and freshenings from artificial insemination have averaged 85 per cent from healthy Ayrshires at Experimental Farm, Morden, Man., over the last 30 months.

After diagnosis and treatment had been applied, success was also achieved with cows which failed to conceive after two or three inseminations.

The frozen semen was air-mailed from Ottawa, plastic-packaged in an alcohol bath surrounded by dry ice. This dispensed with the need for bulls at the Morden farm and allowed a choice of sires for the improvement of the herd of 50 cows and heifers.

Using semen from six sires, proven and unproven, 37 females were serviced at one time and 32 freshened.

In another recent group test 23 cows and heifers freshened of 24 inseminated. However, only 11 services took the first time; seven animals requiring two inseminations, three three, one four and one five inseminations.

\$200.00 TRADE-IN

Special Offer by

KIRK'S

There is a time limit.



(Patent Applied For.)

\$200.00 Trade-in for your old furnace will be accepted from January 20 until March 31 from anyone living in Alberta except north of Athabasca. To qualify simply mail this ad immediately to KIRK'S HEATING LIMITED, THREE HILLS, ALBERTA.

KIRK'S INSTALL FURNACES ALL WINTER LONG.

Don't wait 'til Spring. **DO IT NOW** while men and materials are still available.

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THE NEW "Pandri-meter"

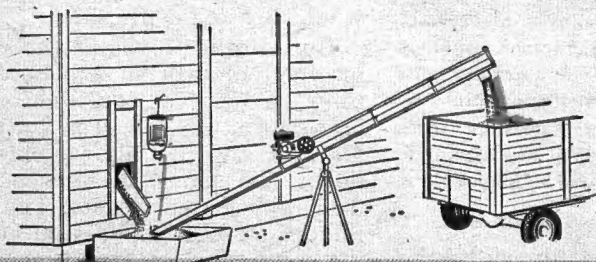


Liquid Dispenser

unique measuring device for treating seed on-the-farm with world renowned



Panogen (FUNGICIDE)
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FREE From your local dealer with each bottle of Panogen or Drinox purchased.

NOW TREAT SEED ON-THE-FARM BY MODERN, DUSTLESS, *Panogen*® PROCESS

If there is no custom treating plant in your area—you can now Panogenize seed on the farm with the Pandri-Meter, a unique device that meters the proper dosages of liquid Panogen and Drinox. You get a modern, dustless, seed treating process to use with your grain auger or other grain moving equipment. You get most effective disease control with Panogen... and stop insects with Drinox.

About Panogen and Drinox

Experiment stations all over the world have proved Panogen an effective and potent disinfectant for destroying diseases on wheat, oats, barley, flax, and other crops. Its effectiveness is attributed, in part, to powerful invisible vapors which spread from seed to seed penetrating every crack and crevice of each kernel, destroying diseases where

chemicals without such vapor action couldn't reach.

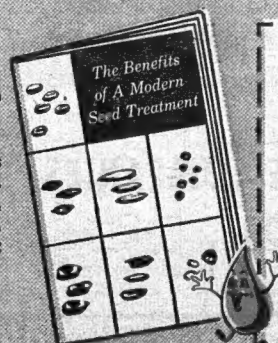
Panogen adheres permanently to the seed coat—imparting a red coloring on most of the seed to show that seed is treated. This assures that treated seed won't be used for feed. Planting can be done almost immediately or the following season... and you can expect better stands, healthier plants and bigger yields.

Drinox—the new liquid insecticide—is especially formulated for seed treatment. Protects your seed from wireworms and other insects. It's extra crop insurance.

See your dealer now about the free Pandri-Meter and Panogen-Drinox. For extra large volume treating ask him about the low cost farm treater.

FREE BOOKLET

16 pages. Describes crop diseases, how seed treatment works, how it contributes to better stands and yields. 30 photos. Separate section on wheat, oats, barley, flax, cotton, sorghum. Mail coupon at right, for your copy.



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☐ I am interested in Panogen Seed Treatment.

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Sherry . . . 2 years after her operation.

How research saved Sherry Anderson's life

SHERRY ANDERSON was born a "blue baby". She had four defects in her heart which robbed her blood of the oxygen it needed. Her parents knew about the "blue baby" operation, but they also knew it had not always been beneficial.

Sherry was particularly fortunate because medical research had just developed a very efficient Heart Pump. This "pump" actually does the work of the heart during an operation, allowing surgeons time to make complete repairs.

Medical research is also striving to discover the various causes of heart disease, with the ultimate hope of preventing it. This valuable work is being correlated and stimulated by the National Heart Foundation of Canada.

Because the life insurance companies in Canada believe in the Heart Foundation, they have given it strong financial support. This is just one of many ways in which these companies help to create a healthier, happier life for Canadians.

**THE LIFE INSURANCE COMPANIES
IN CANADA**

L-858C

Picked Up In Passing—

by **INA BRUNS**



The efficiency experts have even got around to farming and figure that a good farmer only wastes up to 20% of his time in needless labor; the average farmer 40% and the poor farmer as much as 75%. In this case perhaps the hauling truck has broken down, a circumstance over which any farmer would be glad to have the experts tell him how to triumph.

EFFICIENCY experts agree that an exceptionally good farmer wastes up to 20% of his time in useless labor; the average farmer wastes 40% while the poor farmer sees up to 75% of his efforts unrewarded.

Since the experts have figured out that a farmer should spend as much as \$40.00 to buy a labor-saving device that will save even as much as a minute of time each day, perhaps farmers would do well to start going steady with a stop watch!

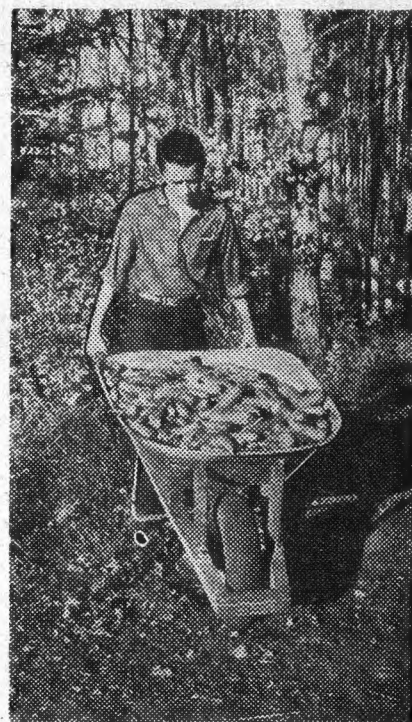


The successful farmer employs all his ingenuity in getting his money's worth out of his machines by putting them to all possible uses. This operator is using his loader to make repairs to a rural 'phone line.

WITH farm machinery taking an ever increasing slice of farm income it is the wise man who makes every machine do

every bit of work possible if it is to prove a sound investment.

One machine that can be pressed into service to assist with many jobs is the dual-purpose bale and grain loader. The steel "steps" that form the elevator, help make this loader an excellent portable scaffold that can be used for painting or repairing tall buildings. One farmer has eliminated much of the work and danger in wood sawing by allowing the loader to elevate sticks of wood away from the saw. The loader can be quickly hitched behind a car and moved about so that it can be used to make repairs of rural telephone lines.



The southern prairies produce some of the finest vegetables in the world, but how to keep them that way is a problem one man has solved.

A GARDENER who invested in an expensive vegetable juicer so that her family could enjoy the benefits of vitamin-laden juice from a huge carrot crop, recently discovered every last carrot had turned to mush. She had buried them in sawdust, and they had spoiled in less than six weeks! Last year her vegetables suffered the same fate when covered with sand.

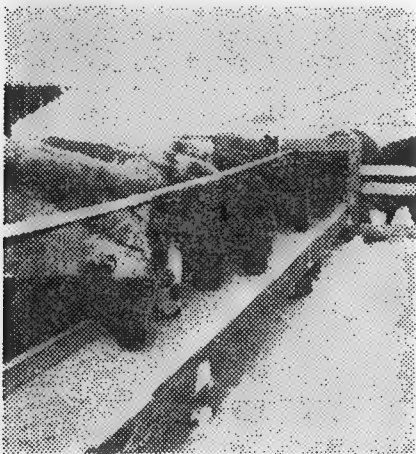
But another lover of the rabbit food reports he will be dining on crisp salads and tasty stews until the new crop arrives. He has lowered his vegetables down the pit that houses his deep-well water system. The pit is cool enough to prevent wilting, and the two floors used to keep the frost out from above, also protect the vegetables from damage.



Farming without knowledge is a lost cause these days and farm boys, and girls, learn among many things, the value and vitamin content of various legumes.

MOST farm youngsters learn at their parents' knees that a farm cannot maintain soil fertility for long unless legumes are grown. Most of us were taught that legumes lead in yield of palatable hay per acre, and that they increase the yield and protein content of grasses used as companion crops.

But we weren't told all the benefits to be derived from growing legumes! Grandfather likely didn't know that legumes have the highest calcium content of all farm grown grains and grasses and that no calcium supplement is needed when they are fed. Even father likely didn't know that besides high protein content, legumes supply vitamin A, vitamin D and E, riboflavin, niacin and vitamins yet to be identified. He only guessed that alfalfa is the most valuable of all the legumes.



Cattle, as any one familiar with them knows, are hard to keep in their place. Here a feeder does it with a guard-rail of old pipes.

OLD steel pipes can be invaluable about a farm. Some of the neatest feed-bunk rails we've come across were made of old pipe welded together to form a guard rail to keep steers out of feed bunks. The pipe is stronger than plank and is easier to work around.

One feeder has made an excellent feeding station where cut-feed is blown on a concrete floor and surrounded by uprights made of steel pipe set in concrete at the correct distance apart so that animals can reach through. The uprights were welded to a top rail made of two-inch pipe.

A sheep breeder has made good use of steel pipe salvaged from an old creamery coil to make a neat and lasting enclosure for his coyote killing hounds.

Dynamite ends rock problem

DYNAMITE solved a 43-year-old cultivation problem quickly and cheaply for Alvin Boreen, of Churchbridge, in east-central Saskatchewan, by blowing giant boulders out of the ground and splitting them small enough to be hauled away.

Mr. Boreen's farm recently was the scene of a dynamite demonstration sponsored by the Churchbridge Agricultural Society.

Around 25 Churchbridge district farmers watched Jack Peck, mechanics specialist with the Saskatchewan Department of Agriculture, dynamite five boulders. Only men experienced with dynamite should supervise blasting.

Mr. Boreen said he had been cultivating around the rocky islands in an otherwise clear field ever since he began tilling there. The boulders each represented several day's work to dig out of the ground and split small enough to be handled. Dynamite lifted them from their burial spot and split them in a manner of seconds.

Boulders are a cultivation hazard because tillage implements are broken on them; time is wasted working around them,

and weeds grow in their protective shadow.

Woes of "Dirty Thirties Back"

CANADA thistle, perennial sow thistle and Russian thistle returned to Manitoba in abundance in 1958. Dog mustard was also noted back in many areas where it was common 20 years ago.

Dry weather during the spring and early summer of 1958 caused farmers to drastically reduce the use of herbicides on field crops. As a result Manitoba farmers had the weediest crops since the introduction of 2,4-D. Yield reduction due to this increased weed competition was tremendous.



Farming Calls for Wise Decisions

Every year, you've got to make decisions...some of them difficult. And making the *right* decision may mean the difference between a good year or a bad. That's why it's a good idea to talk things over occasionally with someone who understands your problems, and who can offer sound, impartial advice on matters of farm finance.

Your local Royal Bank Manager is the logical man to go to for counsel because he's had a wealth of practical experience in farm communities. Next time you're in the neighbourhood of the branch, drop in for a chat. Your "Royal" Manager will be glad to see you.

Thousands of farmers are enjoying the benefits of Farm Improvement Loans. Ask your friendly Royal Bank Manager for a copy of our free booklet which explains all about these long-term, low-interest loans.



THE ROYAL BANK OF CANADA

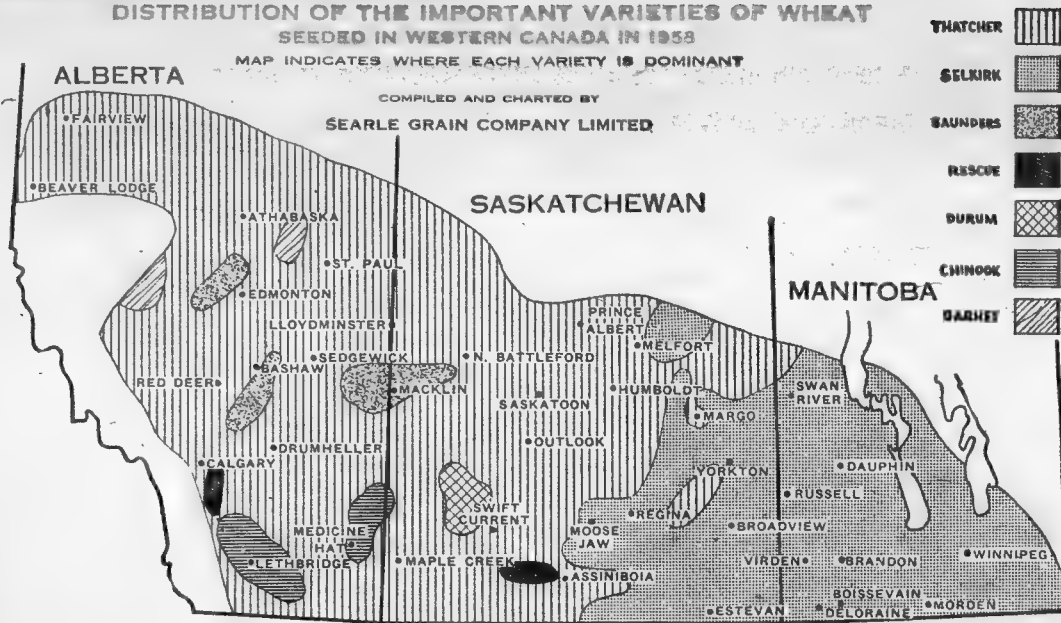
DISTRIBUTION OF THE IMPORTANT VARIETIES OF WHEAT

SEEDED IN WESTERN CANADA IN 1958

MAP INDICATES WHERE EACH VARIETY IS DOMINANT

COMPILED AND CHARTED BY

SEARLE GRAIN COMPANY LIMITED



Thatcher wheat still popular

THE Searle grain letter referring to Thatcher wheat says:

Challenging the long reign of Marquis wheat, which was the predominant variety in Western Canada for a twenty-five-year period ending in 1938, the variety Thatcher has now given more than twenty years of service to farmers throughout the length and breadth of the prairies. At its peak, in 1953, it represented approximately 70% of all wheat grown in the west, but since the development of Selkirk to meet the threat of race 15B, its importance has diminished in the eastern areas of Saskatchewan and Manitoba. Despite this quite natural swing to Selkirk for protection against rust, Thatcher, in 1958, still accounted for close to 47% of the wheat acreage in the west. This is more than that of any other variety and comes close to equaling the acreage of all other varieties put together.

Noted with interest is the fact that the percentage of Thatcher seeded in both Saskatchewan and Alberta during the past year actually increased somewhat over the 1957 acreage. All this suggests that Thatcher, as a variety, is by no means on the way out and that actually it may be staging something of a comeback. More than that, however, it continues to form the basis of the main wheat breeding program in Western Canada at the present time.

The University of Saskatchewan in its recommended grain varieties for Saskatchewan states: "Thatcher wheat is recommended for all areas where rust is not a serious problem."

Processed milk increasing

VENEZUELA'S output of preserved milk, mostly dry, whole milk, is up almost 10 per cent over last year, and three large new processing plants are being built in the country's dairy development program.

Start making future profits now with **MIRACLE** chick starter!



precision-built

Carefully balanced ingredients scientifically designed and laboratory-controlled for fast, sure results.

performance-proved

To make sure it does what it's designed to do, "Miracle" Chick Starter is checked under actual farm conditions.



When you spend good money for "Miracle" Chick Starter, you're not just buying feed. You're actually buying *future profits*.

"Miracle" Chick Starter gives your chicks the carefully balanced nutrients they need to thrive and develop to their full extent. Getting the proper start determines their future egg-laying ability, and your future profits. That's why it's so important to feed them "Miracle" Chick Starter.

Just two pounds is all it takes to get each chick over that all-important first six weeks. When so much depends on it, isn't it just good business to feed your chicks "Miracle" Chick Starter... and start making future profits right now?

ACROSS CANADA PROFIT-MAKING FEEDERS CHOOSE "MIRACLE" FEEDS

"MIRACLE" FEEDS

THE OGILVIE FLOUR MILLS CO., LIMITED
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Don't Follow Too Closely

Following too closely, always a hazard, is especially dangerous in winter. Keep well back of the vehicle ahead to give yourself plenty of room for an emergency stop.

Hybrid corn doubles yield

SCIENTIFIC research has done wonders in the increase of grain yields during the last few years, and corn is perhaps the most fascinating example of what has been done.

In the U.S., chiefly by the development of hybrid seed, the average yield of corn has been doubled in the last quarter century.

Only a few years ago 100 bushels of corn per acre was the goal of most good farmers. This was long ago reached and 200 bushels became the aim. However, in 1955 a record yield of 304 bushels of corn to the acre was attained on a farm in Mississippi and increased yields are still expected.

Some Rambler seed again available

SEED supplies of the new Rambler alfalfa will be available to Saskatchewan farmers again in 1959, Hon. I. C. Nollet has announced.

Mr. Nollet said his department had received another 53,000 pounds of seed from contract production undertaken in California. This is the second crop from a 160-acre field seeded in January, 1957, and represents a total increase of 106,000 pounds of seed from the original 125 pounds sent to California. In the same period, over 3,000 pounds of Rambler distributed to Saskatchewan farmers has failed to produce any appreciable quantity of seed.

The 1958 seed crop will be distributed similarly to the 1959 spring forage crop program.

The minister also said that since it is apparent Saskatchewan farmers are anxious to try out Rambler, a further contract on 320 acres has been undertaken in California to supply seed in 1959 and 1960. It is hoped that some Saskatchewan production will also be forthcoming during the next few years.

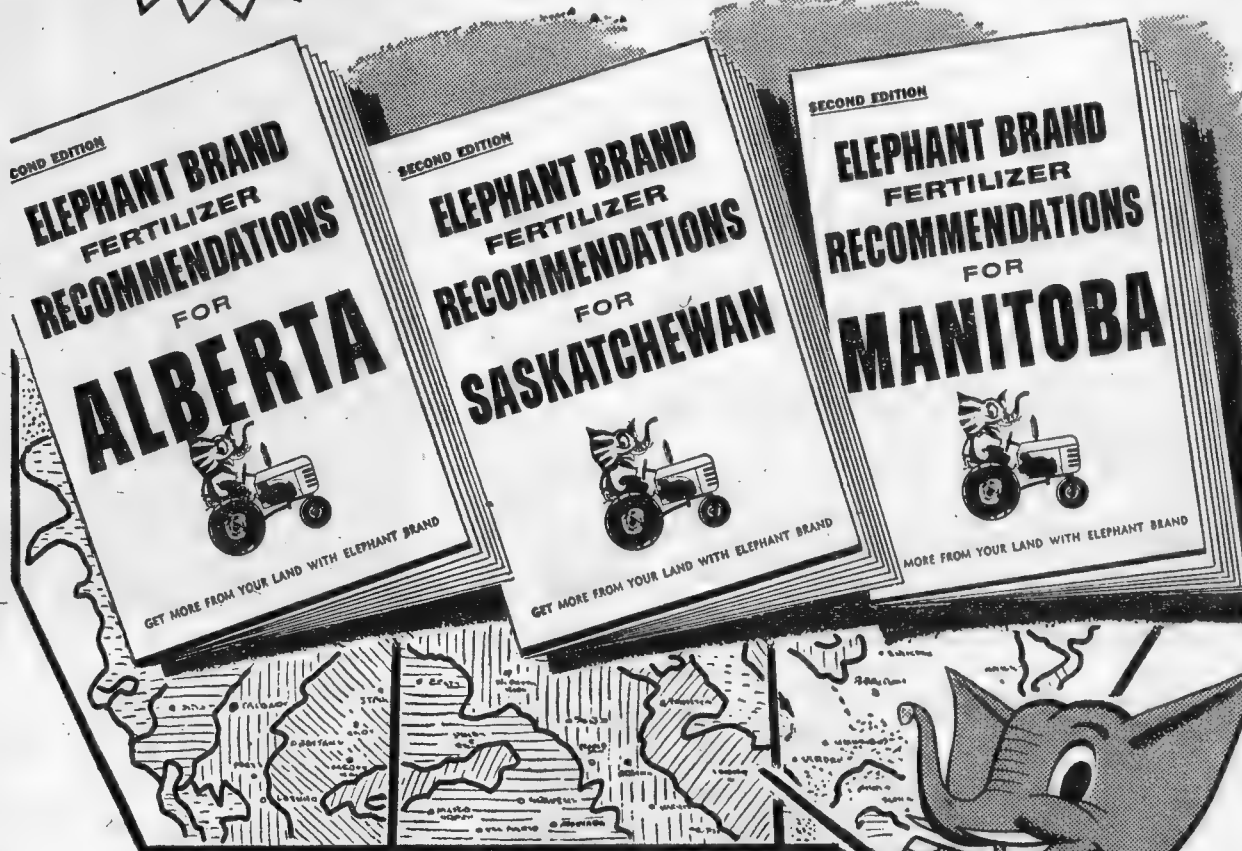


Take Along Chains

Check your tires. Whether you use regular or snow tires, keep them in good condition. Use reinforced tire chains for deep or hard-packed snow, ice, and in emergency situations.



You need one of these free pamphlets



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Thousands of field tests have proven that Elephant Brand fertilizer is one of the best investments you can make! Fertilized land produces higher yields and better grades. Crops have more uniform growth, greater resistance to disease and mature earlier.

In other words, the right Elephant Brand fertilizer on your land is like money in the bank!



FREE PAMPHLET TELLS WHAT'S BEST FOR YOUR FARM

Now this new, free pamphlet tells you which fertilizer is best for the soil in your district! It tells you which fertilizer is best for the crops you plan to grow. And it tells you how much you should apply! Cominco's twenty-six years' experience with fertilizer on all

Prairie soils and crops makes this pamphlet your authoritative guide to more profitable farming. Get your pamphlet from your local Elephant Brand Fertilizer dealer today or fill out and send the coupon below!

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CALGARY, ALBERTA.

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HIGH ANALYSIS

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ANHYDROUS AMMONIA

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Increased Bulk Production in old hay fields 4 to 1 ;
increased protein, 100%.

POTATOES up to 40%.

OATS FROM 55 to 95 bushels per acre.

BARLEY from 28 to 85 bushels per acre in some places.

WHEAT, FLAX, RAPE in proportion.

FOR INFORMATION FILL IN COUPON OR WRITE :

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ARE YOU INTERESTED IN A DEALERSHIP ? _____

WATCH FOR MEETING DATES IN YOUR LOCALITY.

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" IT IS NOT THE COST, BUT THE WORTH THAT COUNTS "



Automatic OFFERS THE NEWEST and BEST in LIVESTOCK OILERS

Automatic Equipment Mfg. Company, creators of time and labor-saving equipment for the farmer-stockman, were the first to introduce Cattle Oiler machines over thirty years ago. Both Sandhills and Stampede Oilers are fully automatic and equipped with positive oil control. Insecticide is released only as cattle rub and scratch. Our experience and know-how is your full guarantee.

Here's the Oiler designed for your specific purpose --
AT A PRICE ANY STOCKMAN CAN AFFORD.

"Sandhills" ALL-STEEL OILER

Recommended for feeder cattle, long-haired cattle, northern cattle, and for dry lot use. Steel cable-washer rubbing element built to last a lifetime. Cattle entering oiler lift rubbing element which actuates pump and a measured amount of insecticide flows down on cable from supply tank. Washers on the cable act as a seal to hold oil; animals rubbing action separates washers and insecticide is released — brushed and combed deep into hair and hide. Loose dead hair and dirt are removed, hair and hide is conditioned to give that "Show-Ring" finish.

\$3950

"Sandhills" ROPE-WICK

\$2950 SINGLE UNIT \$3850 DOUBLE UNIT



Recommended for beef or dairy cattle, hogs, thin-skinned—short-haired animals, and for use in loafers-pens. Cattle entering Oiler lift rubbing element which actuates pump and a measured amount of insecticide flows down onto rope. Rope soaks up all the oil. Oil is released as cattle rub, applying insecticide to animals hair and hide. Giant size marine rope rubbing element is rot and wear resistant. Oiler NOW available with heavy-duty steel guard pictured at right. Steel guard encasement adds "scratchability" priced extra at \$3.70 for single unit — \$7.25 double.

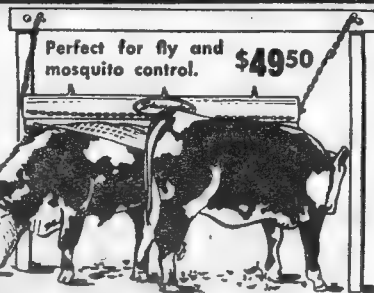


Let Cattle Treat Themselves!

3 GREAT NEW OILERS AT NEW LOW PRICES

Stampede OILER

Best for open range and cattle on pasture. Treats 2 or 3 cattle at a time. 8-gallon cylinder is freely suspended by chain, and equipped with adjustable oil control. As cattle enter Oiler, they turn cylinder which permits regulated amount of insecticide to saturate canvas apron. Stampede Oiler wipes film of oil base insecticide onto animals' hair... Cattle can't pressure against it, can't tear it up.



Perfect for fly and mosquito control. \$4950

Free Your Cattle of Costly Stock Pests!



Price per gallon \$12.60 postpaid

Recommended Insecticide Concentrate HESSKILL METHOLEX.

For best results at lower cost, mix HESSKILL METHOLEX with No. 2 fuel oil or petroleum distillate for use in cattle oilers. One gallon will take care of 50 to 100 cattle for several months... because it takes so little. Also mixes with water as a spray application. Safe for both dairy and beef cattle.

ORDER TODAY Sandhills oilers are fully automatic. Equipped with Auto-delivery pump. (Guaranteed leak-proof and fully adjustable). Oiler mounts to post, anywhere. Complete unit includes 5 gal. tank with mounting head, automatic pump and oil system, rubbing element and anchor chain.

FREIGHT PREPAID when a gallon or more insecticide is ordered with each oiler.

WRITE FOR NAME OF NEAREST DEALER

AUTOMATIC EQUIPMENT MFG. CO., LTD.

DEALERS AND FARM AGENTS WANTED

BOX 847, SWIFT CURRENT, SASKATCHEWAN • PENDER, NEB., U.S.A.

Progressive Pig Factory

Select bacon in 146 days

By STAN REID



Seen here is a fine breeding group of a boar and two sows at the "Progressive Pig Factory", carrying out the breeding program of a new strain of superior producing hybrid market hogs.

PRODUCING top-quality hogs with factory output and efficiency pretty well describes a pig breeding and production operation being carried out in Central Alberta.

A carefully charted program for the production of a superior strain of hybrid market hogs began several years ago at Ardrossan. It has expanded, and moved, to a specially equipped modern farm at Red Deer, in the heart of what is probably Western Canada's greatest hog producing area.

With the Red Deer plant in full operation results, now being tabulated, are, according to the directors, remarkable.

The men behind this Alberta High Bred Stock Farm, a project which is perhaps one of Canada's leading hog market programs are: Sten S. Berg, B.Sc., managing director, Ardrossan; E. R. Berg, B.Sc., Calgary, director; H. Douglas Smith, B.Sc., Red Deer, director; and Dr. R. T. Berg, Edmonton, geneticist and breeding consultant. The men are all graduates of the University of Alberta in animal husbandry.

Several years ago, the Berg brothers, who have a lifetime of farming behind them, made the decision that hog production could be modernized and placed on a scientific basis similar to poultry, and corn production. In these two fields the value and advantages of hybrid strains had been proven to an unquestionable degree. It seemed reasonable that what could be achieved in other strains could be achieved in hogs.

There followed about three

years of intensive record-keeping of boar and gilt performances, size of litters, weights, dispositions, farrowings and gradings before the strains that are being raised today were reached. The three p's of the program are Performance, Productivity and Profit.

This scientific breeding program has as its foundation, tested, superior strains of Landrace, Yorkshire and the new Lacombe hog breeding stock. Gene pools have been formed within strains of breeding animals or potential breeders by inbreeding, testing and selection. Synthetic lines have been developed by hybridization based on nickability tests. These lines are now being drawn upon to produce offspring of superior qualities. Other factors such as feed efficiency and carcass quality are being measured and improved by rigid selection. A proper balance of inbreeding is being carried out to increase the overall profit possibilities of the strains and crosses.

The results to date have been very gratifying and some outstanding performance records established. Gilts in the program have farrowed as young as nine months of age. Healthy litters of 12 pigs are common to gilts under one year of age. Average birth weights have been exceeding three pounds, giving the baby pig added stamina and resistance at this critical stage. Because of the rapid growth of the pigs and the milking ability of the mother, it has been possible to carry on three-week weanings with average weights



A smooth-looking family of the High Bred Stock Farm hybrid market pigs, with their mother in one of the specially-designed farrowing pens on the H. D. Smith farm at Red Deer. The sow is nearly immobile in her pen with water and feed supplied automatically. The little fellows are about two weeks old.

at this stage of better than 15 pounds.

Pigs have reached market weight in as little as 146 days. Feed efficiency results approach the ratio of three pounds of feed for one pound of pork. Grade A carcasses are the rule.

Since the inception of the program, with the same feeding and management in force throughout the period, 40 to 50 days have been taken off the time required to place a 200-lb. hog on the market. Operators of the enterprise, highly pleased with initial results, are optimistic toward the future and are expanding the set-up to handle 300 litters or about 3,000 pigs yearly.

The farm at Red Deer, owned by Mr. Smith, has been completely adapted to unhampered specialization in the farrowing and initial care of hybrid hogs. At a cost of nearly \$10,000, Mr. Smith, a former Holstein dairy farmer, has installed concrete floors in two barns and a former chicken house. The specially designed farrowing pens confine the sow to just over her own length and width. There is a space in the boarding at the bottom to allow the little pigs to run around in a small area and feed. The sow has automatic water and feed at her head.

The floor is electrically heated

to an even warmth. There is a drain at the back for flushing out manure. The buildings have been insulated and are heated with gas on thermostatic control. All efforts have been made to control the environment of the mother pig, before, during, and after she has had her litter.

The pigs are left with the mother until weaning and then are moved along in stages — first to one set of pens and then as they become larger to another. The sows are moved into open pens and then to outside shelters. Every pen and other accommodation is equipped with self feeders and water plates, all electrically heated for winter use. Another new installation at the farm was a cess pool and an underground water system. Thus the farm is serviced with water, gas and electricity.

Particular care is taken in the feeding. A balanced ration of highly specialized feeds is fed at all times, leaving little to chance. Other up-to-date procedures, such as inoculation at birth and a series of vitamin injections are carried out with every new pig.

And, to keep the scientific program up to the minute, elaborate records are taken of all pigs, from birth until their sale to breeders.

er's eggs at the rate of 40 cases per hour.

While it is not yet 100% efficient, the Washington Co-operative Farmers' Association has already installed its first such machine and plans to have more machines installed.

Budgie birds in style

OFFICIALS of the Calgary Poultry, Turkey and Pet Stock Association, which sponsored the Provincial Poultry Show at the Exhibition grounds, December 1, 2 and 3, came up with the startling information recently that no fewer than one million Canadian homes sport a Budgie bird, and within the next ten years it is expected to supplant both the dog and the cat as the family pet.

FARGO POWER WAGON

With front mounted Braden winch. Four-wheel drive, and new motor! Cab clean, all-weather ground grip tires, and chassis ready for flat bed, rack or what have you. A powerful vehicle for snow or rough going. Priced to sell and a tryout will demonstrate its value.

Dealers in New and Used Equipment.

We Make

LITTLE GIANT

Sawmills — Edgers — Planers

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THE 4-H LEADER

is a local leader in his community who is devoting his time to the training of youth. By giving the young people a better understanding of the various phases of agriculture, he is helping to develop Canada's farmers of tomorrow.

OUR LOCAL MANAGER

is another man who knows his community well and helps it to develop. He'll gladly show you how your farm will benefit from wider use of the complete banking service we offer—including Farm Improvement Loans. Call in and see him next time you're in town.

THE CANADIAN BANK OF COMMERCE

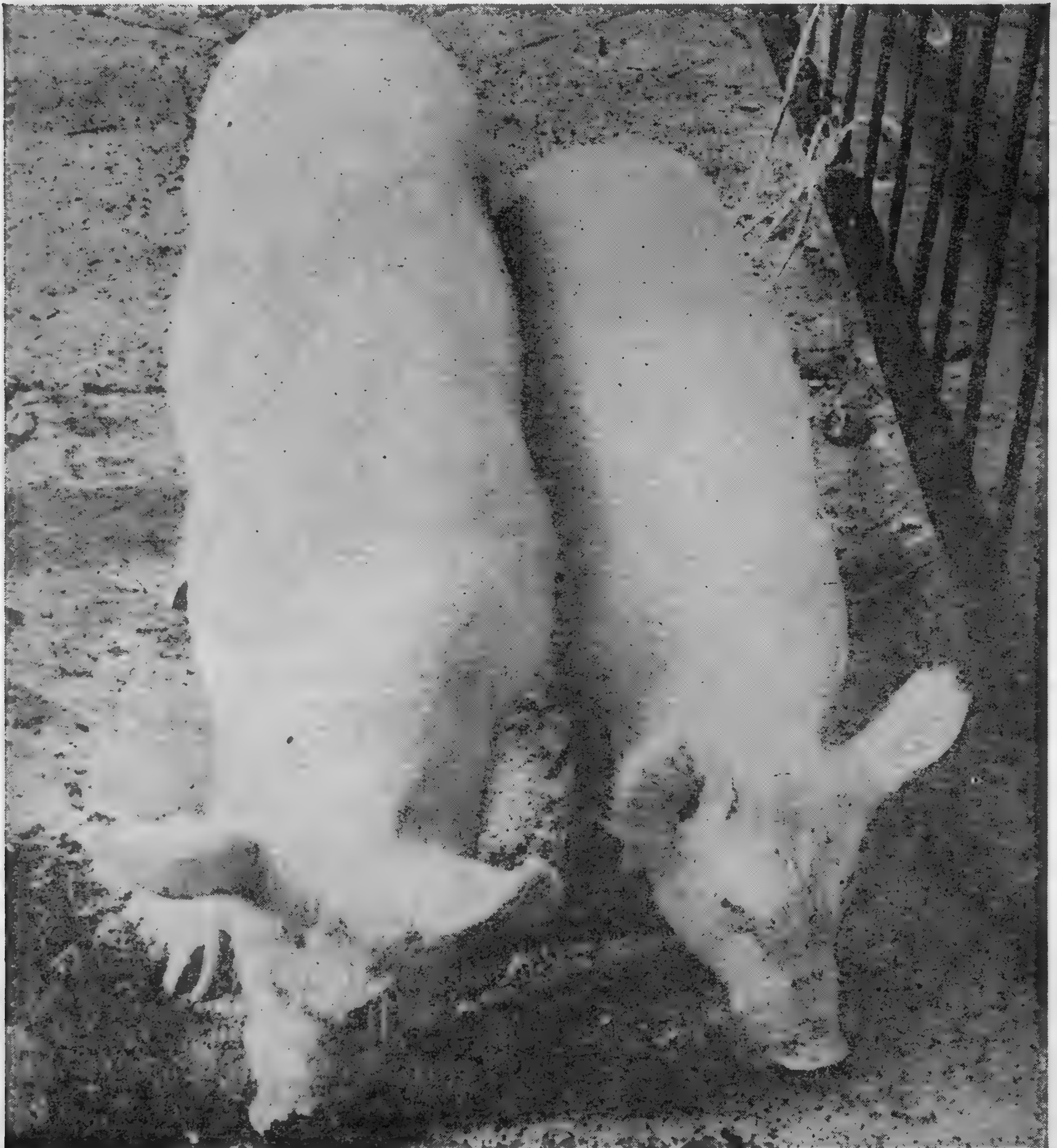
800 BRANCHES ACROSS CANADA READY TO SERVE YOU

Does everything but lay

THE Canadian Poultry Review has described the latest word in poultry automation. It is a gadget which automatically cleans, shell sterilizes, removes rejects, weighs, packages and tabulates the grade of the farm-

They said this discovery

but **BENGER** scientists show the way to



PHOTOS: J. L. JONES

The 68 lb. pig on the left was injected at 3 days of age with Imposil. At the same time the untreated litter mate weighed 42 lbs.

was IMPOSSIBLE

the biggest hog-raising profits ever known!

THE DISCOVERY OF THE CENTURY

They challenged Benger scientists to produce an iron treatment more powerful than any other in the world. A one-shot injection that would wipe out iron deficiency in baby pigs and protect even the lazy creeper. They said it was impossible.

But Benger have done the "impossible"—with IMPOSIL, the iron and a half injection that can save up to 50 percent deaths in every litter. For the first time in history Canadian hog-raisers now have a sure-fire way of preventing the loss of thousands of dollars a year through iron deficiency.

BABY PIGS NEED IRON

Baby pigs are born with practically no iron reserves. They may look well, but with iron stores almost absent they soon become pale and unthrifty. IMPOSIL replenishes these iron stores quickly, buffering the baby pig against secondary infections.

HOW MUCH IRON DOES A PIG NEED?

How much iron does a pig need, how much can it take? That was the problem facing the Benger research team. They found that 150 mg. in a 2 c.c. solution was the ideal.

Benger achieved a unique scientific triumph by producing IMPOSIL, the intramuscular iron injection that contains half as much iron again as any other previous preparation. And what's more all its 150 mg. is fully absorbed, totally utilized.

PROTECTS AGAINST PNEUMONIA AND SCOURS

Over 90 percent of baby pigs suffer from iron deficiency. Mortality, especially where litters are raised on concrete, can run as high as half the number born. An IMPOSIL-injected pig is armoured against all infections such as pneumonia and scours, and is completely protected against iron deficiency over the critical period of its life. Result?—fewer runts and unthrifty baby pigs.

BIGGER LITTERS, HEALTHIER HOGS

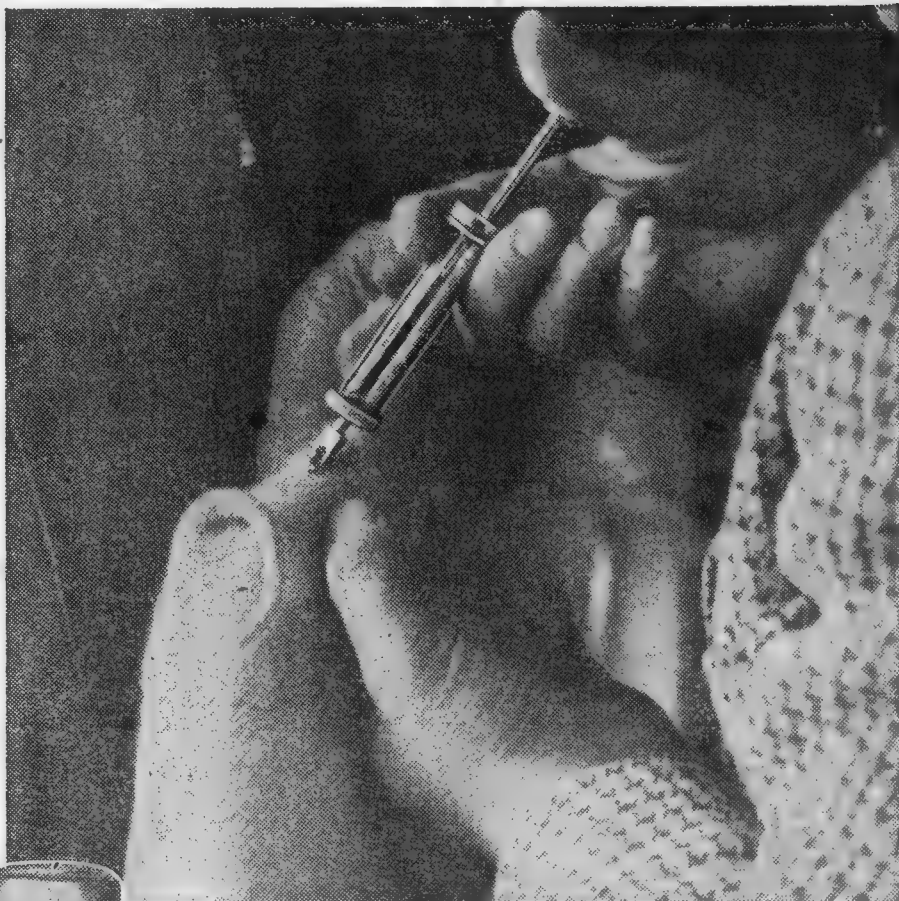
Extensive field trials in Britain show that IMPOSIL gives an amazing rise in litter survival rates. At least two more pigs were saved in every litter.

WEIGHT GAIN BONUS TOO

There is a bonus of definite weight gains, too. For example, weaning weights of 50 lb. at 8 weeks and live weights of 160 lb. at 16 weeks are commonplace now in England. Pigs reach market weight much quicker.

FIGHTS "HIDDEN" IRON DEFICIENCY

Iron deficiency can strike at your profits before you know it's there. It hits first at the baby pig's enzyme systems, putting a brake on its full potential growth. IMPOSIL makes certain that absorbed foods are converted into strong, healthy growth.



Injecting a three day old pig with Imposil is "as easy as filling a fountain pen."



It's easy to inject

Injecting a three-day-old baby pig with IMPOSIL is a 60-second affair. The important thing is to get IMPOSIL right into the ham muscle. The needle should be inserted at right angles to the skin. You inject, withdraw, clean the needle, and you're ready for the next pig.



IMPOSSIBLE?...NO-
Imposil
TRADE MARK IRON DEXTRAN COMPLEX

★ Remember
Imposil
in your baby pig—
extra dollars in
your pocket!

Get Imposil from your
druggist or veterinarian

BENGER

BENGER LABORATORIES LTD., 20 SPADINA ROAD, TORONTO 4

DURING the October and December period, hog marketings in Canada were an estimated 32% above the same period in 1957. Heavier marketings resulted in prices remaining at the floor level during most of the period.

A NEW Alberta Brand book lists 30,922 brands compared with 23,000 in 1947. Copies are available for reference at all Brand Inspection offices, District Agriculture offices, and most R.C.M.P. detachments in the Province.

ABOUT half of all poultry and livestock diseases, says Dr. Victor Senior, Saskatchewan government veterinarian, are related to faulty nutrition and sanitation, conditions which create, "a happy hunting ground" for germs.

... Pellets ...

THE supplementary delivery quota for feed barley in Manitoba and Saskatchewan has been raised from 3 bushels per seeded acre to 6 bushels.

THE rapid development in the use of 2,4-D and other selective herbicides during the past 10 years and their wide acceptance give evidence that weed control research in this field is paying good dividends.

THE world fish catch in 1957, about 30,000,000 tons is almost double the fish catch of 1938.

STORAGE charges on U.S. government-owned wheat run to about half a million dollars a day.

AN International Farmers' Convention will be held in Israel from March 29th to April 12th and farmers from all over the world are invited.

A GOOD breakfast not only helps you get in the morning, but is highly effective in preventing that afternoon droop.

THE expense of frequent reseeding of legume stands can be avoided by making good use of soil tests and fertilizers.

THE corrected dates of the Manitoba Horticultural Association Annual meeting are February 18, 19 and 20th; with the banquet February 19th.

WOMEN, says a female executive, don't over-spend — it's just that men under-earn.

OVER 250,000,000 pounds of turkey was in storage in the U.S. in November.

ONE ton of dry poultry droppings is said to contain from 100 to 125 pounds of nitrogen.

THE Saskatchewan Advisory Council on Grain Crops has made few changes in the list of cereal varieties recommended for Saskatchewan. No new varieties, satisfactory for the province, have been licensed in the past year.

CANADA provides half the newsprint used by newspapers throughout the entire world.

88% of eggs used in Canada and the United States are used in the shell form.

THE U.S. Bureau of Statistics says that the average price of milk in 1890 was 6.8 cents a quart, and it required 26 minutes of the average workman's time to earn a quart; today's average price is 25.2 cents; earned by the average person in 7 minutes.

IT has always been difficult to pinpoint what it is about winter that destroys Canadian plants since the damage can only be estimated in the spring after the evidence has gone.

WATCH material in building hog equipment and shelters. Coal tar pitch such as in roofing materials, or from other sources have been known to cause poisoning, even fatalities in pigs.

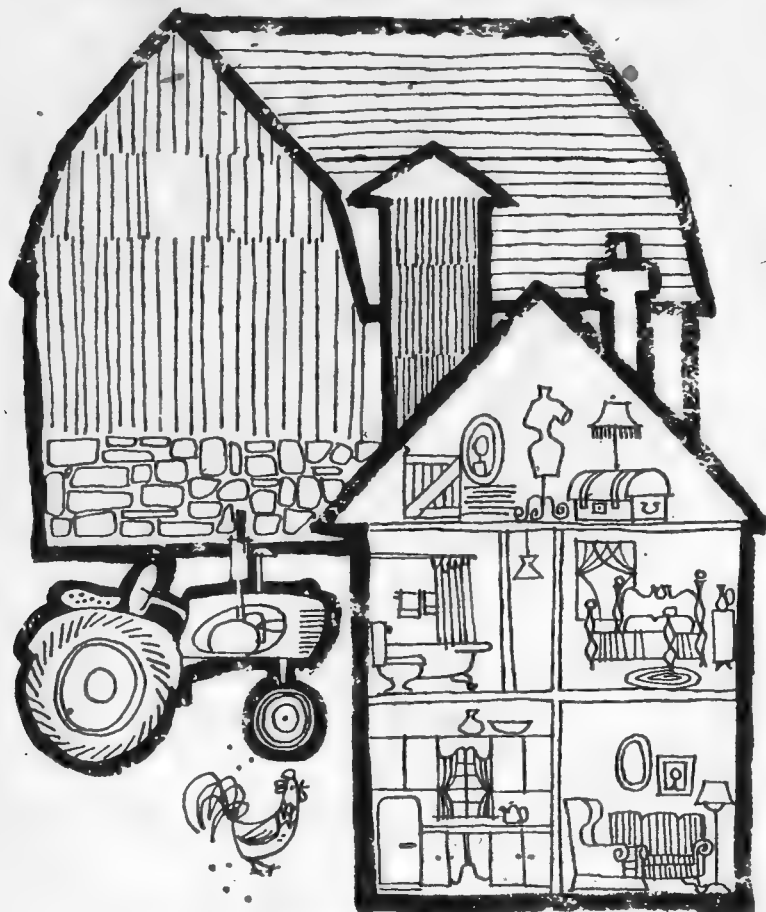
UNITED States farm researchers report that turkeys cooked to a rich even brown are juicier and better tasting when fed lard than turkeys that eat no added fat. Turkeys tested were fed a diet of 8% lard.

IN the United States, with conditions similar to our own, it is reported by the Department of Agriculture that each farm worker supplies food for 23 people; which is double the output of 1940, and 6 times the number fed by a farmer in 1820.

RUSSIAN Wild Rye Grass, when sown with alfalfa, practically eliminates the alfalfa in two years, according to the Swift Current Experimental Farm.

A GOOD windbreak may reduce your winter fuel bills by as much as 22%.

Somewhere around your farm there's a job to be done



Do it now—when men and materials are available!

Winter's the best time to have those needed jobs done. During the winter lull, you have more time to supervise and help out and you can get better service and prompt attention for small jobs, particularly building and renovation jobs.

What's more, unhurried tradesmen and farm machinery repairmen can often do better work, faster and more economically.

FARMERS—Inquire about Government-backed FARM IMPROVEMENT LOANS available through your bank up to \$5,000 and with up to 10 years to repay. Loans for equipment, livestock, as well as a wide range of Home Improvements.

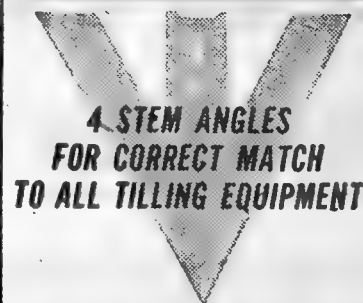
Help yourself—and at the same time, your community —by having jobs done now!

WHY WAIT FOR SPRING—DO IT NOW!



Issued by authority of the Minister of Labour, Canada

Replaced FREE if they break!



"ISOTHERMAL"
HEAT TREATMENT PROCESS
for toughness

Insist On
EMPIRE
sweeps

There are no strings attached to EMPIRE'S guarantee... if you break a sweep in normal use, before it has given you the long, efficient service expected of all Empire sweeps — it will be replaced FREE.

Only Empire, backed by 119 years' experience, makes sweeps in 4 different stem angles for correct matching to all leading makes of chisel plow shanks. This perfect match cuts wear on both sweep and cultivator.

EMPIRE'S exclusive "Isothermal" Heat-treatment process ensures extra toughness and long life.

Ask your dealer for Empire high carbon steel sweeps, shovels, teeth, chisels, spikes and steels or write for free literature.

Allied Farm Equipment Ltd.,
Box 53, Winnipeg, Man.

Grain Belt Farm Equipment Ltd.,
Box 1184, Regina, Sask.

ALBERTA & BRITISH COLUMBIA:
Northwest Farm Equipment Ltd.,
Box 351, Calgary, Alta.

Automatic Super Duty Rolls Kracks Krimps All-Purpose Roller Mills

THE PERFECT WAY TO PROCESS WHEAT, OATS, BARLEY, AND OTHER SMALL GRAIN. CANADA'S best, precision-built Grain Roller... Smart feeders everywhere are switching to Automatic Roller Mills to improve feeding results, stop feed waste and to get maximum gains from every bushel they feed. Automatic Mills are ruggedly constructed for long tough service. Available as a bench, skid or PTO trailer unit for farm and commercial work.

IDEAL for overhead mounting... over pits, mixers, tanks, trucks. Engineered for "Push-Button Feed Plant Operation" for farm or commercial use. Also available in stacked rolls two or three high. Rolls are self-adjusting for all grains.

Exclusive... New "Tractor-Mounted" Roller Mill Fits to Tractor drawbar or 3-point hitch—with PTO drive for all makes of tractors. Perfect for moving from one location to another and for getting around in tight places.

TWELVE MODELS & SIZES AVAILABLE... CAPACITIES FROM 50 TO 1200 bu. per hr. Prices start at \$179.00 FOB Swift Current, Sask.
Dealers & Agents Wanted

AUTOMATIC EQUIPMENT MFG. CO. LTD.
P.O. Box 847, Swift Current, Sask., Canada

CANADIAN forests, one way or another, account for about 17% of all the manufacturing output of this country.

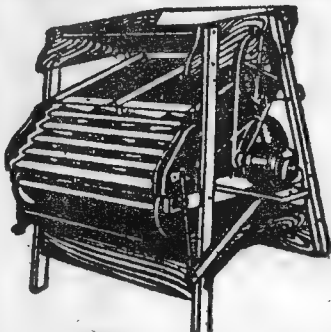
THERE appears to be a future for rapeseed in the Pasquia area west of the Pas, Manitoba, according to tests carried out by the Brandon Experimental Farm.

AN air-powered animal stunner introduced recently by an Illinois Tool Co., won the James Hopkins Award presented by the A.S.P.C.A. for the year's outstanding humane slaughter development.

SOIL cultivation below six inches is generally unprofitable. Shallower than this is sometimes advisable. Although plant roots go much deeper than this, they are equipped by nature to penetrate the undisturbed subsoil.

U.S. consumers spent \$10 billion for dairy foods in 1957; nearly \$7 billion of which was for fluid milk.

EXPERT GRAIN CLEANER



Cleans and grades by weight as well as by size. Nothing comparable, write for information.

CALGARY FARM MACHINERY LTD.

507-517 SECOND STREET EAST, CALGARY, ALBERTA

HANFORD'S



Now, a more economical, faster, easier method of treating mastitis! The 4-shot, 4-tip SELECTA syringe contains 24cc of a high-potency antibiotic formula that is a medically proved specific for the usual mastitis-causing bacteria. Snap-off plastic tabs accurately measure four 6cc doses. Conforms with latest regulations.

AND REMEMBER —

HANFORD'S
MASTITIS TREATMENTS
IN THE HANDY TUBES

Available in several preparations: Penicillin, Dihydro-Streptomycin, High Biotic, Cobalt Biotic, Sulfa. Be sure to ask for reliable HANFORD'S.

G. C. HANFORD MFG. CO., LTD.
Brockville, Ont.

COFFEE should be cheaper this year. An estimated production of nearly 60 million bags is in sight while the export market cannot take more than 40 million bags.

RECENTLY returned from a study tour of broiler production methods in the U.S.A., D. F. Hickinbotham told English producers that the better producers in England had little to learn from American methods. He doubted, however, if they yet have the right type of chicken.

THE spring bull sale at Calgary will be held in the Victoria Livestock Pavilion during the week of March 16th to 20th, 1959.

MERCHANDISING is important in selling goods. In an average supermarket, Mrs. Consumer, who spends 20 to 25 minutes in the store, must pass 260 different items a minute if she is to "shop the store".

THE extension of line facilities in number of rural Manitoba areas is resulting in considerable winter work for Manitoba Telephone system workers.

IN 1958 Canada's dairy herds produced more milk than ever before: an increase of about 4% over 1957, and reached a total of 18 billion pounds for the first time.

RECENTLY, at Vancouver, the biggest cargo of grain ever loaded was shipped to Europe on the Liberian freighter, "Andros Maiden". One of the largest freighters in the world, the boat sailed with 20,000 tons of grain.

BEING in business doesn't insure success; the Department of National Revenue reports that of 79,797 taxable companies in Canada last year, 27,280 showed a loss.

THE Saskatchewan Poultry Conference will be held in the second week of June, at Fort Qu'Appelle; the semi-annual meeting of the Turkey Association will be held at the same time.

BARLEY scald, according to the Alberta Science Service Laboratory of Plant Pathology, causes a reduction in yield of from 10 to 14 bushels per acre.

IN Alberta the Medicine Hat, Stavelly, Coutts triangle is roughly the grasshopper plague area for 1959 with lighter infestation expected north and south of Empress along the Saskatchewan border.

IN the past few months, the United States has been buying Canadian feeder cattle at the rate of 30,000 a month.

GRASSHOPPER outbreaks in parts of the prairies this year are expected to rank with some of the worst on record.

TRY this for a sandwich: Mix one chopped hard-boiled egg and two tablespoons of chopped chicken giblets moistened with mayonnaise.

A GOOD SET of farm records will assist you in increasing your farm income.

THE U.S.A. seems to be exploring every angle in the use of farm commodities. The glue on American postage stamps is now derived from U.S. corn and is said to be much tastier than the old gums — it should also be more nourishing.

TRACTORS



Make Farming More Profitable!

WHY WAIT?...go ahead with FIL

Discuss a Farm Improvement Loan with your nearest Bank of Montreal manager.



BANK OF MONTREAL

Canada's First Bank

working with Canadians in every walk of life since 1817

IT'S **EASIER** NOW—THE BOSS PULLS MY TONGUE FORWARD AND WITH HIS OTHER HAND HE DROPS THE GREASED TABLET ON THE BACK OF MY TONGUE—I SWALLOW AS MY TONGUE COMES BACK—IT WORKS—GENTLE AND SURE!

DR. BELL VETERINARY MEDICINE CO.
Kingston, Ontario, (Canada)

FARM FACTS



BY **Chipman**



\$50,000,000 PEST

THAT'S THE ESTIMATED DAMAGE WIREWORMS CAUSED WESTERN FARMERS EACH YEAR—MORE THAN TWICE THE VALUE OF THE ENTIRE CANADIAN FLAX CROP IN 1957. ARE YOU CONTRIBUTING TO THE STAGGERING LOSSES?

MERGAMMA C KILLS WIREWORMS FAST!

SAFE, SURE PROTECTION—8 YEARS PROVEN USE ACROSS THE WEST. ONE APPLICATION KILLS WIREWORMS AND CONTROLS SEED-BORNE DISEASES. EASY TO APPLY—JUST DUST IT ON.



TEST STRIP PAYS OFF

TEST A STRIP ON YOUR FARM WITH MERGAMMA. IF WIREWORMS WERE PRESENT, YOU'LL SEE THE DIFFERENCE—GET YIELD INCREASES UP TO 10 BU. PER ACRE. SEE YOUR DEALER!

CHIPMAN CHEMICALS LIMITED

Montreal • Hamilton • Winnipeg • Saskatoon • Edmonton

CHIPMAN

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Fall and Reserve Moisture Report 1958

THE fall rains of August, September and October (which give moisture reserves on stubble land) averaged only 70% of normal this year compared with 112% of normal in 1957. Provincial figures, with last year's percentage of normal in brackets, were as follows: Alberta, 84% (135), Saskatchewan, 66% (99) and Manitoba, 64% (131).

On summerfallow, the accumulated reserves represent the

1957 fall moisture plus rainfall which fell during the 1958 growing season, plus the fall rains of 1958. These figures with last year's percentage of normal in brackets, were as follows: Alberta, 88% (102), Saskatchewan, 71% (85), Manitoba, 85% (117) and the three Prairie Provinces 77% (93).

The overall situation, combining the above figures for both stubble and summerfallow, gives

the 1958 situation in the three Prairie Provinces as 74% of normal, compared to 103% of normal in 1957.

The greater part of the Wheat and, in recent years, an increasing proportion of Barley and Flax, is seeded on summerfallow land. It will be noted that moisture reserves are much less favorable for crops than they were last year.

Muskrat marshes reclaimed

THAT progress often involves severe changes is indicated in a project now under way in Manitoba. In an area where the provincial government, the Hudson's Bay Company and the Indian Affairs Branch once gave nature a helping hand in creating flood conditions in order that the Indians might benefit from a larger muskrat population, a drainage scheme is near completion.

Completion of the large-scale drainage project, involving 135,000 acres, is within sight with the approval of the construction of a pumping station.

The station will facilitate lowering the water table and draining surface water in a wide sweep between the Pasquia and Carrot Rivers, extending west from The Pas to beyond the Manitoba-Saskatchewan border.

The area reclaimed for agricultural purposes is actually part of the vast Saskatchewan River delta — about 1,500,000 acres of low-lying and marshy land.

Cost of the drainage project, which involved a system of dykes and dams and interior drainage provided by ditches, amounts to over \$2,000,000. Started in 1953, it has been under direction of Prairie Farm Rehabilitation Administration.

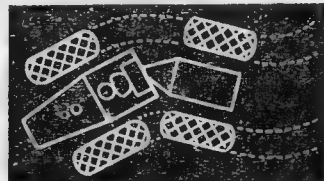
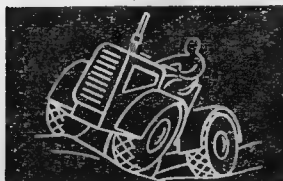
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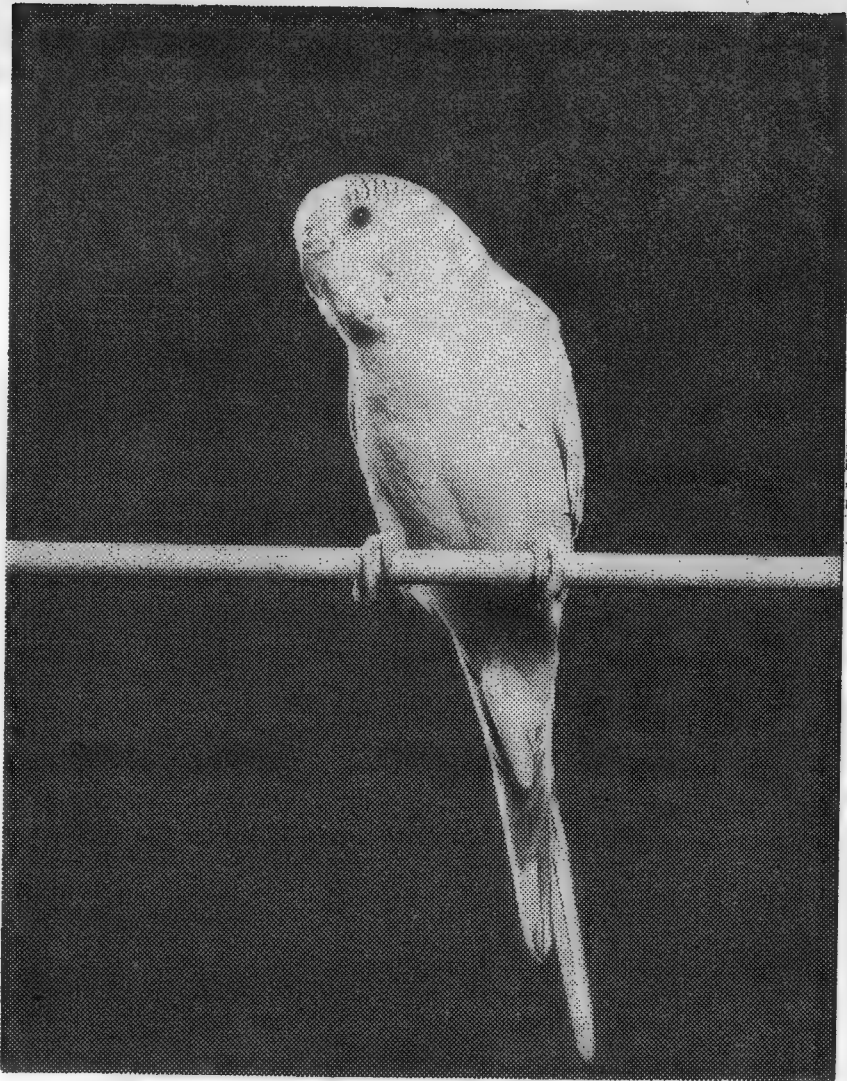
A Budgie for Bobby

by Kerry Wood

FIVE years ago a friend gave young son Greg a budgie-bird for a pet. We'd just enjoyed a visit from a Scottish cousin named Thomas, — pronounced, in dialect, Tammy. To honour our cousin, the yellow-faced bird with the green breast was dubbed "Tammy" and urged to say "Hello, Tammy!" Unlike the slow-gearred budgie whose first words after a two-year silence were: "Talk, darn you; talk!"

Our Tammy soon learned how to say its name and a few other words, most of them devoted to its own praise such as "Pretty bird!"

At first, Tammy's chief aim in life was depositing fertilizer on my growing bald spot. This may have been intended as a kindness, but I didn't like the plan — nor the scratching of the bird's sharp claws on what one daughter jokingly calls "Daddy's



The Budgie bird is fast outstripping, in numbers, all other household pets in Canada. His ancestors hail from the tropics and belong to the parrot family.

MEN
WHO THINK
OF TOMORROW
PRACTICE
MODERATION
TODAY

The House of Seagram

DISTILLERS SINCE 1857

skating rink for flies!" However, we welcomed Tammy on shoulder or arm. Soon he became excessively tame, eager to share breakfast toast and porridge at times! In fact, Tammy was quite willing to walk through your porridge, at times! The bird also revealed a strange ability to distinguish between home-made bread and the commercial loaf, and wouldn't nibble on the latter if Mother

Marjory's bread or buns were present.

Tammy hasn't learned many tricks, yet somehow has established himself as a valued member of the household. This in spite of the fact that the bird is quite destructive on occasion, as he delights to chew on curtains, wall-paper, or on personal letters that someone treasures. Still, there is something most appealing about the friendliness of a small bird, perching on a shoulder and whistling budgie endearments in one's ear. True enough, Tammy has been known to bite the occasional ear. But he's always been pardoned and given a perpetual One More Chance.

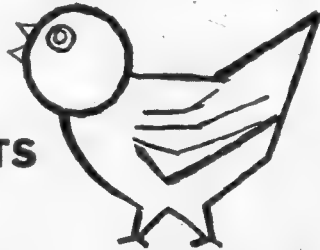
Our budgie pet is now swinging on a branch of red willow next the bay windows, sleepily muttering: "pretty, pretty Tammy!" He was brought to mind a moment ago when I opened a letter from a juvenile reader of the FARM AND RANCH REVIEW. The note was written on a page extracted from a school scribbler, Bobby's youthful scrawl straying above and below the green guide lines as he pencilled this amusing request: "Dear Sir, I want a new pet. Can you please tell me where to get a skunk, and how to tame it so's I won't get stunk up?"

How do I answer Bobby's letter? Is it wrong to tell the boy that some of us are opposed to the taming of wild animals and birds, because of a belief that these creatures lead much happier and useful lives amid their

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own environments? I am convinced of the truth of that, yet at the same time can remember a few notable exceptions. For example, there was the injured young beaver kitten that Doris adopted and kept for many a long year, Mickey, the Beaver, becoming one of Alberta's outstanding animal personalities. There was Fred's Tubby, a flying squirrel who was a thoroughly delightful little pet. Tubby was so tame that he

trustingly slept in Fred's jacket pocket during the daytime. Then there was Sid's owl, a tiny Acadian or sow-whet that had an injured wing when Sid found it. Hooter became an affectionate family pet, and woe betide any mouse that ventured into Sid's cellar or woodshed when Hooter was around.

Besides, I once knew a pet skunk of the type Bobby wants—except that it was still in possession of all faculties! A bachelor farmer discovered the animal living underneath his shack, whereupon he gradually tamed it by means of food offerings. He made no attempt to pen or cage the skunk, which roamed the surrounding farmyard and woodlands at night. Every dawn it returned to the farmer's cabin, to sleep in a cosy den underneath the floor. The wild skunk became a lovable pet, given to periods of exuberant play. Not once did the animal use its malodorous scent or its sharp teeth on its human benefactor. However, a neighbor's dog once attacked the skunk next a barn, where the horrible reek of its defensive perfume lingered for many weeks after the dog had gone yelping homewards. But the farmer involved claimed there was no offensive odour from the skunk itself, nor from its den region under his cabin floor during the three years it stayed with him. And as payment for lodging and food scraps, the skunk kept his shack and barnyard completely free of mice.

No doubt about it, wild animals and birds can be tamed with a little understanding, patience and love. For instance, a farmlady living near us made friends with a wild mallard. Another has a weasel established in a rootcellar that comes to her kitchen door for an occasional handout. A farm lad tamed a Canada goose. Scores of town and country people who operate bird feeding stations in winter-time know the pleasures of feeding chickadees, nuthatches, and jays by hand.

Yet I am still opposed to taming wild creatures, for by doing so we interfere with nature's laws. Often we may unwittingly cause the creature's death, because we have dulled its original wariness. So I'm going to urge Bobby to forget about a pet skunk, or a pet lynx or coyote pup or badger, or crow, hawk, red squirrel, or anything else from forest and field. Get yourself a good dog for a pet, friend Bobby. Or a budgie-bird that will perch on your finger and whistle at you and walk all over your breakfast porridge.

Manitoba dates to remember

- Feb. 18-20 — Manitoba Horticultural Association—Marlborough Hotel, Winnipeg.
Feb. 23-27—Short Course Dairy Husbandry — Brandon.
Feb. 23-28 — Beekeepers' Short Course—University of Manitoba.

- Mar. 2-6 — Conference Week for Farmers and Homemakers — University of Manitoba.
Mar. 8-14 — Education Week — Provincial.
Mar. 9-11—Horticultural Conference — University of Manitoba.
Mar. 18-20—Horticultural Conference — University of Manitoba.
Mar. 30 - Apr. 4 — Manitoba Winter Fair — Brandon.

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The Lady OF THE HOUSE

Guest Contributor — EVELYN MORGAN

A VISITOR at our house used to say after his meal:

"That was a nice change. It doesn't cost any more to have a variety."

Probably he was right, but sometimes it is difficult in country kitchens to have varied foods. This is particularly true at this time of year when we can easily become snow bound over night. When supplies get low I depend on flavors and spices for a change.

The best cooks I have known keep a wide assortment of spices and herbs to dress up their foods. So now I keep three wide-mouthed shakers on my stove shelf to hold the scraps of parsley, celery leaves and bits of onion. If they do not dry quickly, a little salt sprinkled on them will prevent mold.

They are used to flavor stews, gravy, and soups.

They will be particularly useful in the meat dishes made of game, which is usually quite plentiful in this house in winter.

Moose, elk, or venison is very good when served as a meat pie. The meat should be cooked first, then put through a food chopper. Flavored with onion, herbs and spices, and then moistened with milk or cream, it provides an appetizing meal.

I tried a recent suggestion that I would like to recommend.

Mix an equal amount of fat pork with the game for a stew or pie. The fat improves it.

For those who dislike the wild flavor, I have found that in the case of moose meat it is less pungent if all bone is cut out before cooking. A roast then requires skewers or trussing, but it is worth the extra effort.

But even with plenty of spices, and the really delicious

steaks on the wild meat, I would like to know many more ways to prepare it.

I would especially like to know some interesting ways to serve it cold.

When I don't know just what to cook that is different, I am always thankful for the white navy beans. There are so many interesting ways to prepare them.

My family and friends have never tired of this soup for a winter-time supper:

Boil beans in water and salt for several hours, until they are soft enough to mash, or put through a sieve. To each cup of puree, add the following:

BEAN SOUP

1 tsp. grated onion

2 cups milk

Salt and pepper to taste

Simmer gently for a few min-

utes. When ready to serve, add one tbsp. butter per serving or two of good cream.

We also add other scraps to this soup to make it more filling. Mashed potatoes, ham or bacon bits, are all good additions.

Our favorite winter pie is made of the materials usually found in country kitchens.

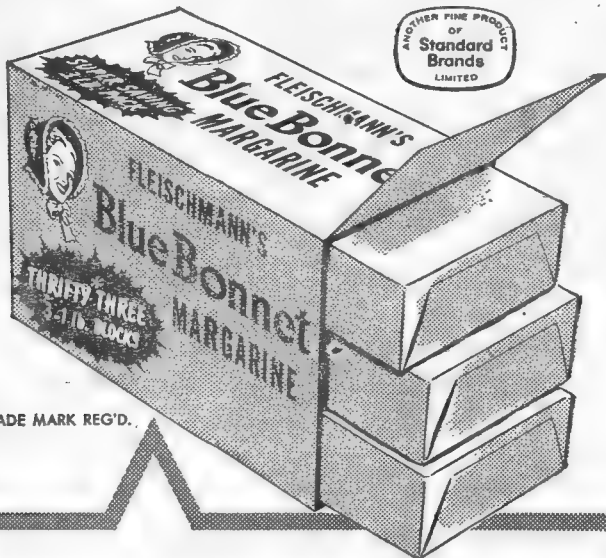
RAISIN-CRANBERRY PIE

2 cups raisins cooked in 1 cup water

1 cup cranberry sauce

1/2 cup sugar, mixed with 3 tbsps. flour

Stir into the fruit mixture, and cook 'til thick. Let cool, while rolling out two rounds of pastry. Place in a pie tin, add almond flavoring to the fruit, and a dash of salt, put in the pastry-lined dish and cover with strips made of the second round of pastry. Bake in a hot oven. 475° F.



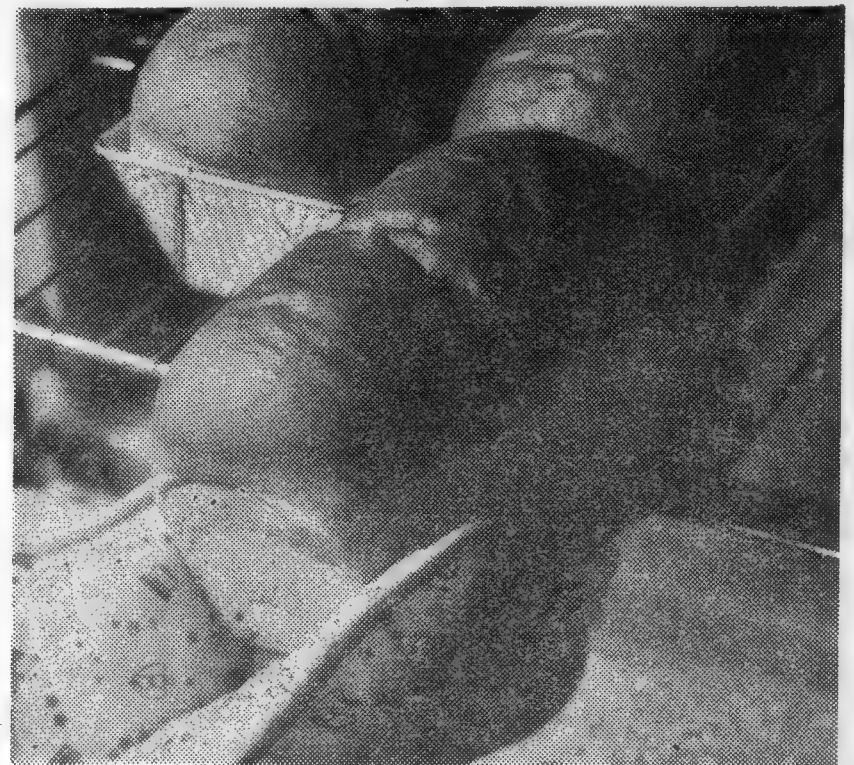
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The vote of the menfolk "was definitely in favor of home-baked bread." As one man put it, "I work hard all day. I need bread with my meals that will stay with me."

Do Housewives Bake or Buy?

IRENE LOUISE HARRISON

DO most Canadian housewives bake or buy their bread? This was the question which led to a survey in a section of Saskatchewan.

All of the housewives contacted admitted to baking bread in some form.

One of them said that she baked her fancy breads, but relied upon her super-market for her day-to-day needs of "the staff of life."

Most of them baked for their families, but some of them admitted to buying bread for toast making.

It was found that children, as a rule, prefer bakers' bread for sandwiches to be taken to school in their lunch kits. The vote of

the men, however, was definitely in favor of home baked bread.

As one man put it, "I work hard all day. I need bread with my meals that will stay with me."

It was this interest in home baking which led me to further research on the subject. Economically minded, I was curious to see what the savings, if any, were by baking at home.

My findings may be of interest to other old-fashioned wives who bake their own bread, and also to those who are contemplating baking and are wondering if the savings would justify the extra work involved.

For my test baking, I weighed out nine pounds of flour. This,

I found made nine standard-sized loaves of bread. One package of yeast was required for the nine loaves. I shut off all electrical appliances except the oven, and watched the meter carefully to determine the KWH's used. It took five cents worth of electricity to heat the oven and bake the nine loaves of bread.

The itemized cost of my baking looked something like this:

9 lbs. flour at 6.4c per lb.	57.6c
1 package of yeast at 3 for 16c	5.3c
Cost of baking	5c
Salt and lard	4.3c
Total cost for nine loaves	72.2c
Average cost per loaf	8.02c

I set the price at 8c per loaf, and a check with the supermarket revealed that bakers' bread sold for 19c — which gave the home baker a straight saving of 11c per loaf for the bread used by her family.

I was very happy over the saving thus revealed. I wasn't merely being old-fashioned. I was an economist as well. This

could be part of the answer to the cost-of-living problem.

It was more curiosity which drove me to keeping an account of all the baking which I did from one 100-pound bag of flour.

My figures may be of interest to other home makers.

Cakes (various kinds)	22
Pies (some one crust)	12
Tarts	8 doz.
Bread (standard-sized loaves)	46
Buns and rolls	19 doz.
Cookies	19 doz.
Quick breads (date, etc.)	6

Flour was used from the sack from time to time for other purposes such as thickening gravies and sauces. These I couldn't estimate and so didn't count.

I hope never to see our grocer's shelves bare of ready baked breads. In an emergency and for the busy housewife who works outside of her home, they are a life-saver, but for the economy minded, home baking could prove a very worthy project.

House Planting Tips

I WONDER if there are others who lost some of their house plants to frost in recent winter storms?

I have left three bulbs of tulip that I was forcing for spring bloom. They are about three inches high.

I also have hung in the window a hollowed out, ox-heart carrot. The hole is kept filled with water, and tiny, pale, feathery leaves are now curling up over the carrot from the crown, which, of course, is on the bottom.

Also there is a long, slender sweet potato, with the pointed end down, in a glass of water. The blunt end at the top is just showing a hint of a coming sprout.

And there's a good sheaf of willow branches which I brought into the house January 4th, and put in water, that are now budding. They shall have green leaves in a couple of weeks.

I have been told that Balm of Gilead branches will also come into leaf quickly, but there are none near me. Perhaps someone else will be able to try them.

Finally, I am still watering and caring for my geraniums, as the stems were not frozen. They may come again, and still make flowers for the window boxes this summer.

Germ watching in Manitoba

DID you ever see a germ grow?

This is exactly what grade 9 students throughout the province of Manitoba are doing in their science courses with the help of "Jamieson Test School Kits", especially prepared by Manitoba department of health's industrial hygiene laboratory staff.

These kits include 10 Jamieson bottles of moist sterile jelly that holds the germs while they multiply, 10 sterile swabs, and two bottles of sterile water.

The project was originated in 1950 by Prof. M. C. Jamieson. Consequently, his name was given to the kits. Manitoba is the only province in Canada to have such a program and a number of requests have recently come in from other provinces for such kits.

Hon. George Johnson, minister of health and public welfare, said their purpose is to demonstrate and teach better sanitation on the basis of "seeing is believing." Before the introduction of the kits, it was difficult to illustrate bacteriology since germs are only visible through a microscope. With the aid of the kit, however, it is possible to show germs growing and the amazing rate at which they grow.

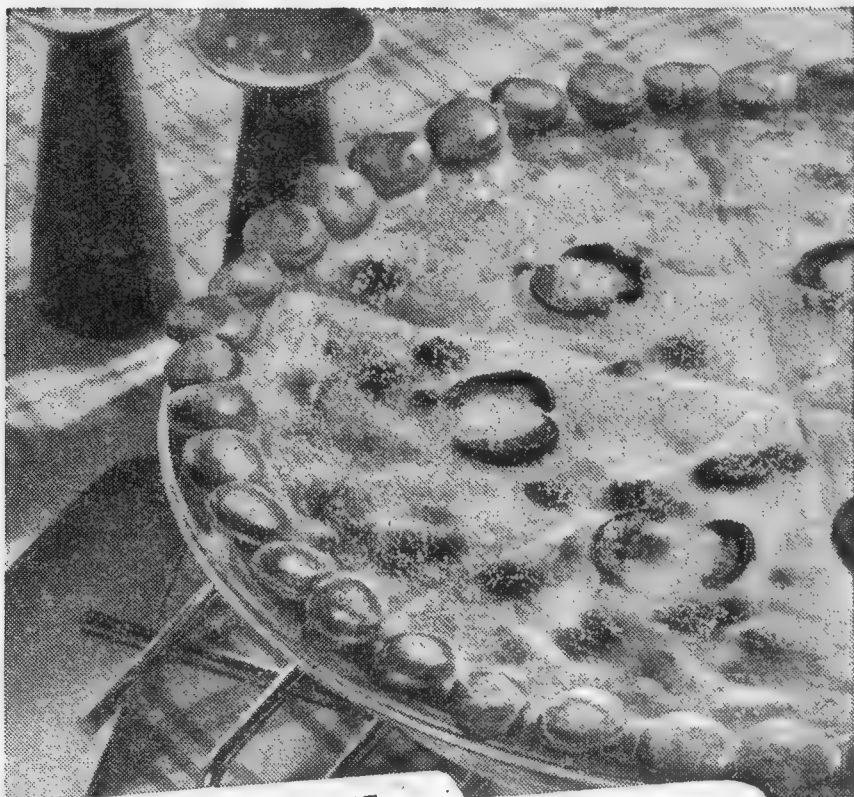
New seed cleaning plants

TWENTY-NINE seed cleaning plants will be in operation in Alberta with the opening of a new plant at Sexsmith, now finished. Other new plants opened this year are at Three Hills, Vulcan and Mundare. Last year, Alberta plants, averaged 200,000 bushels of grain cleaned per plant.

New idea! "Yeast-Riz" crust makes mouth-melting



TUNA-ONION BROWN-UP



"YEAST-RIZ" CRUST

Scald $\frac{1}{2}$ cup milk. Stir in $\frac{1}{4}$ cup shortening, 6 tablespoons granulated sugar and $\frac{1}{4}$ teaspoon salt. Cool to lukewarm.

Meantime, measure into bowl $\frac{1}{4}$ cup lukewarm water. Stir in 1 teaspoon granulated sugar. Sprinkle with contents of 1 envelope Fleischmann's Active Dry Yeast. Let stand 10 minutes, THEN stir well. Stir in lukewarm milk mixture. 1 well-beaten egg and $\frac{1}{2}$ cups once-sifted all-purpose flour; beat until smooth. Work in an additional $\frac{1}{4}$ cups (about) once-sifted all-purpose flour. Knead. Grease top. Cover. Let rise until doubled in bulk—about $\frac{1}{2}$ hours. Punch down; divide into 3 pieces. Roll each into 10-inch circle and press firmly into 9-inch pie pans. Crimp edges. Brush with 1 slightly beaten egg white. Let rise until doubled in bulk—about 20 minutes. Prick with fork. Bake in

moderate oven, 350°, 8 minutes. Do not brown. Fill and bake—or cool, stack and wrap partially-baked crusts in foil and refrigerate up to 10 days. Yield: 3 pie shells.

TUNA-ONION BROWN-UP

Melt 2 tablespoons margarine in a large frying pan. Add 2 cups thinly-sliced onion; cook until tender. Add 1 can (approx. 7 ounces) tuna fish (drained and flaked)—or use 1 cup diced cooked poultry, 4 sliced ripe olives (optional), $\frac{1}{2}$ teaspoon salt and $\frac{1}{4}$ teaspoon pepper; heat well. Meantime, scald $\frac{3}{4}$ cup milk. Stir hot milk into 2 beaten eggs; mix in 2 cups shredded Swiss or old cheddar cheese ($\frac{1}{2}$ pound). Turn hot tuna mixture into one "Yeast-Riz" Crust; pour hot cheese mixture over it. Bake in moderate oven, 350°, 20 to 25 minutes. Serve hot. Yield: 4 to 6 servings.

A week's work in a wink!

Make light, tender "Yeast-Riz" crusts on Tuesday . . . and store them in the refrigerator till needed. Fill one with tangy tuna filling on Wednesday . . . one with beef stew on Saturday . . . another with chicken a-la-king on Sunday. They brown in mere minutes . . . are always wonderful when you use Fleischmann's Active Dry Yeast! If you bake at home, keep several on hand for tempting main dishes . . . at a moment's notice!



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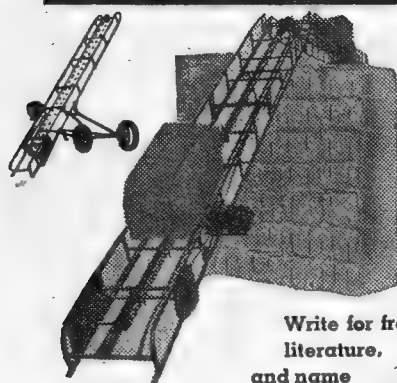
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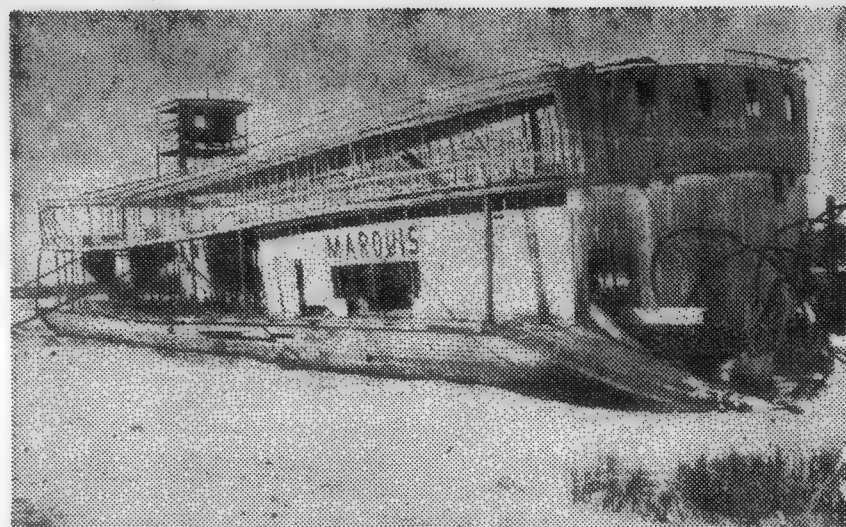


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Full information from any CNR AGENT or write M. D. Bell, District Passenger Agent, Edmonton.



Probably few Canadians are aware that the Prime Minister's present home town was once served by steam-boat, but here is photographic evidence: the hulk of the steamer "Marquis" beached at Prince Albert, Sask.

Stern-Wheeler on the prairies

by F. A. Twilley

DIGGING under the bank of the river, about two feet down, at Prince Albert last summer, I was able to secure a double handful of square, hand wrought nails and spikes, a 3/4-inch bolt about 18 inches long, and a piece of oak. After over eighty years of laying on the ground this timber was very solid and took a deal of chopping.

All these relics, secured for my collection, came from the old stern-wheeler "Marquis" built for the Hudson's Bay Co. for service on the Saskatchewan, and was the largest of three, the others being the "Manitoba" and the "North-West".

The "Marquis" was a beautiful vessel, upper works of white pine, and the interior lavishly furnished with rich carpets, piano, mirrors, silverware, etc.

During the rebellion of '85 it operated on both branches of the Saskatchewan river and rendered yeoman service transporting troops and supplies for General Middleton's army.

At the close of the campaign it left Fort Pitt for Grand Rapids on July 4th, 1885, having on board the luckless prisoners held captive for so long by Big Bear and conveyed them to Prince Albert. It had on board also the 90th Battalion Winnipeg Rifles, (Little Black Devils), 232 officers and men of the 10th Royal Grenadiers of Toronto, and 190 officers and men of the 92nd Winnipeg Light Infantry. Arrived Prince Albert at 8:30 a.m. on July 8th.

These steam boats continued in service for a year or two after the rebellion but with low waters rendering navigation difficult, and with the advent of the railway reducing their usefulness, they passed out of commission, the "Marquis" being the last to quit.

It was finally beached at Prince Albert and allowed to spoil and be dispoiled, fire finishing it off.

Looking back, one cannot help but think how wonderful it would have been, if instead of abandoning the costly vessel, it could have been brought a little away from the river and covered in. What a unique place to have housed the many exhibits now having to make shift in the city hall for want of a museum. It would have gone well with the city's famous wild-life exhibit on River Street, one of the finest in Canada.

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The Best Address in the West for Value

Canadian grain

THE visible supply of grain in Canada at Dec. 23rd, 1958, was:

	Bushels
Wheat	376,509,000
Oats	45,916,000
Barley	57,973,000
Rye	3,958,000
Flax	6,015,000

Short courses for Saskatchewan farmers

IT'S back to school for those who wish to go this winter in Saskatchewan.

Short courses for farmers on gasoline and diesel engines, and on gas and electric welding will be conducted at the University in Saskatoon by the Agricultural Engineering Department.

A gas and electric welding course was planned for January 19 to 30. This practical course is divided into two sections; half of the time will be on oxy-acetylene welding, and half on electric welding, making use of a wide variety of welding outfits.

A farm motors course will take place March 30 to April 10 on the operation, adjustment and maintenance of the gasoline and diesel engine. The work is conducted in the classroom and laboratory which are furnished with tractors, trucks, motors, and other equipment, permitting thorough study and practice in care, adjustment and maintenance.

Order chicks early to meet fall egg prices

POUULTYMEN ordering chicks for delivery around March 1 will have them laying soon after August 1 in time to take advantage of fall egg prices which are the highest in the year.

A deficiency in egg production occurs during September and October. Poultrymen with birds laying heavily during the fall will make more money than if the laying flocks' main production is later in the usual flush period from April to July.

In 1957, fall egg prices were 44 cents per dozen compared to 30 cents in the spring. In the fall of 1956 Saskatchewan farmers got 50 cents a dozen for eggs, compared to 30 cents in spring. Early ordering of chicks will see them well into production by the time fall prices reach a peak.

Early ordering of chicks has several other advantages. Brooder conditions tend to be much superior in late winter than in spring and early summer. Since the brooder stove must be kept going all the time in late winter, temperature conditions tend to be more uniform. In spring and early summer temperature conditions vary greatly outside, often affecting conditions inside the brooder. On a hot day, there is a temptation to let the brooder stove go out. Then, if the outside temperature drops suddenly, chicks are chilled.

Chicks ordered in March are

turned onto range in six weeks to two months, just in time to get the succulent spring growth. Chicks raised later may find the range dry, brown and unpalatable when they are turned out in July. A highly nutritious range will help chicks greatly to develop into desirable laying birds.

Early-raised chicks usually get better care from farmers since they are not competing for attention with regular spring work. Early chicks give farm-

ers time to set up brooder house and equipment to give them the best possible growth conditions.

It can't happen here?

PERU'S currency, in recent years one of the most stable in South America, has depreciated to such an extent that the country's gold and dollar reserves are at the lowest point since 1950. The situation will drastically curtail Peru's activities as an importing country.

Landrace tops sales

THE famous Danish Landrace hog, whose blood contributed the new Lacombe breed, is still making its mark in the live-stock show world. At the first Australian sales in Victoria in October, Landrace swine set price records for any breed.

Held at the Melbourne "Royal" at Kyabram, Victoria, the records included an average of \$1,228 for four sows; \$1,391 for a nine-month-old sow; and \$690 for a five-week-old weaner.



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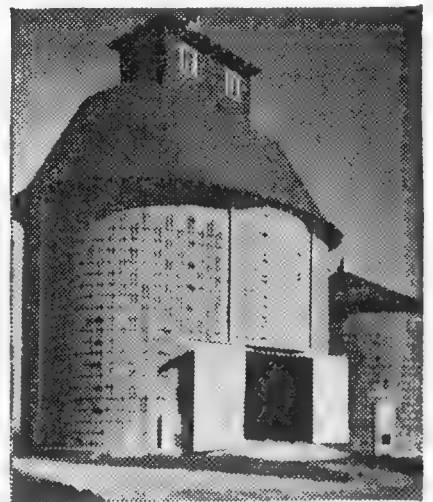
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WITH PERMANENT
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This free 116-page book will show you how to build storm-proof, fire-proof implement sheds and modern farm storage facilities that will protect your grain against rats and moisture.



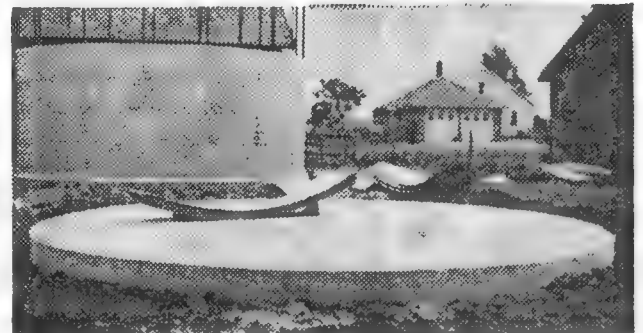
This handy book will also give you information on how to make high quality concrete as well as detailed instructions on how to build concrete block walls for all types of farm buildings.



Look for the Canada Cement trade mark on the gray bag... your guarantee of quality



A quality product for every building purpose



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Please send free book "Concrete on the Farm".

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Free tips on bees

WITH the advent of winter, beekeepers normally have more time to devote to reading and to learn more about the science of beekeeping. Publications on bees and beekeeping are available from the Federal and Provincial Departments of Agriculture upon request.

Fight goes on

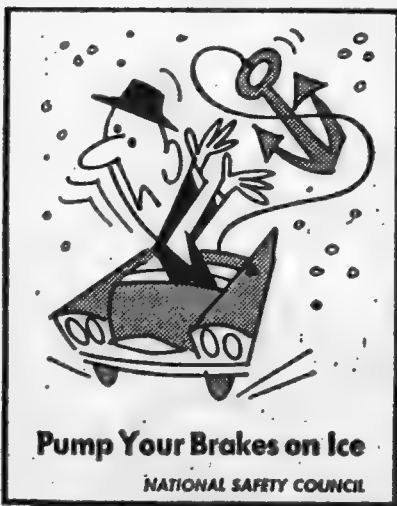
ALTHOUGH agricultural scientists haven't licked the barley leaf disease problem yet, K. W. Buchannon, of the Winnipeg Cereal Breeding Laboratory says encouraging progress has been made both in the chemical and cereal breeding field. At present, the answer appears to be the development of resistant varieties — a difficult and time-consuming task.

Beware of the land rush

WARNINGS against speculation in land for irrigation development around the South Saskatchewan River dam project have been given by the Saskatchewan Department of Agriculture.

As early as last September, the Hon. I. C. Nollet, Minister of the Department, said: "Recent comments would indicate that some people expect land values to rise greatly in the area, but figures show that those who buy will be taking a very long chance if they pay more than dry-land values."

It is again pointed out that under the project agreement an initial project irrigating about 50,000 acres must be carried out. Any of several areas could be chosen for this initial work depending on soil tests, engineering and the wishes of the people living in the area; and it is pretty difficult for the speculator to tell with naked eye whether land can, or will be, irrigated. In addition, in many cases, there will be a cost of preparing land for irrigation as high, or higher, than its dry-land value.



To stop quickly, pump your brakes in a series of fast applications. Jamming on the brakes will lock the brakes and throw the car into an uncontrollable skid. Keep your head.

Here's the DEAL to make every dollar count!

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**5 good reasons why
you'll save real money
by buying your tractor,
baler or combine NOW**

- 1** You'll get a better deal from your IH dealer.
- 2** You'll receive interest at 6% on your trade-in... payable at once.
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- 5** You'll receive personalized assistance on time sales.

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The complete line of IH years-ahead tractors, balers, windrowers, combines... and many other machines are included in the Early Trader's Bonus.

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NOW is the time to come in for the
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**EARLY TRADER'S
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WE WILL PAY YOU IN CASH—RIGHT NOW!

You will get good hard cash to deal now instead of later in the season. You will get more for your trade-in—then, in addition you will get interest at 6% on the trade-in allowance... payable in cash at once. You will get 6% interest on any cash payment too and protection against price increase... until specified dates prior to your normal season of use.

So this Spring — "the earlier you trade the more you save"
... see your IH dealer today

Here's the POWER to make every hour pay!

SMOOTH, MODERN, MULTI-RANGE SIX CYLINDER ENGINES
built by Harvester—both diesel and gasoline

All-new International

460

WHEATLAND

built for the west—finest power on the
prairies for average-size spreads.

THE LOW-COST POWER REQUIREMENTS of the average-size Canadian wheatland farm are amply met by the all-new SIX CYLINDER International 460 Wheatland. With an intimate knowledge of the need, secured through exhaustive surveys, IH built it that way! Torque Amplifier is standard equipment—for easy-going, non-stop operation, regardless of hardest tillage or toughest harvesting conditions. (With TA and IPTO at

hay and harvest time you get all the advantages of engine-driven outfits, without extra engine expense! Regardless of how you measure, the 460 Wheatland tractor offers the best in economical, versatile, *modern* power for every-season jobs. New comfort, convenience and ease for the operator. New cost-cutting efficiency for your pocket-book. See the 460 Wheatland—at your IH dealer's soon—it pinpoints just the power you need.

48*
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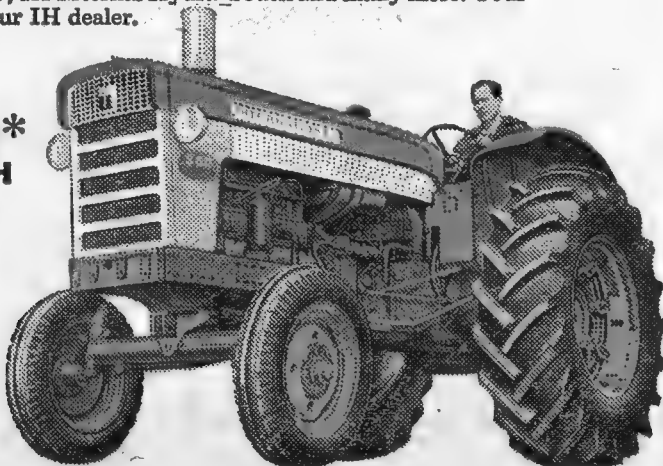


The International 460 Wheatland and 660 tractors are so completely new they are just going into production, and will be available at your IH Dealer's soon.

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DIESEL OR GASOLINE

IF YOUR JOBS call for the ruggedest 54 drawbar horsepower, get behind the wheel of a years-ahead International 560—all-new Multi-Range 6 cylinder work-horse that hits a new high . . . in brawny workability, sm-o-o-thness and proved farm-easy features. Long line of options include Torque Amplifier, Independent PTO, IH Internal Hydra-Touch and many more. Your contact is your IH dealer.

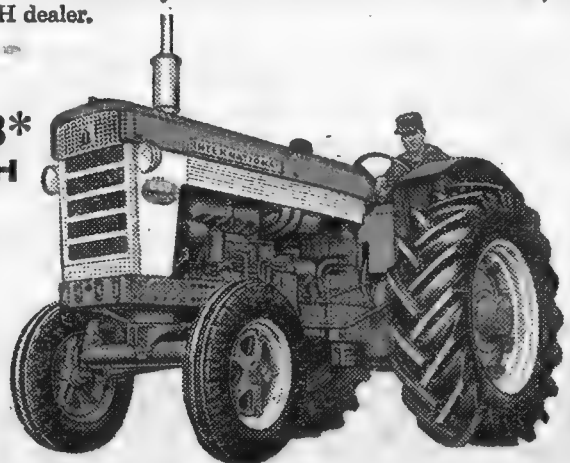
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FOR MULTI-SECTION FARMERS here's the biggest, smoothest, multi-range 6 cylinder farm power on wheels, and built by Harvester! Power for the biggest tools—for the multiple hook-up—to do in days what normally takes weeks with smaller outfits. Easiest-handling big power anywhere—with all the convenience and comfort features you've ever wanted. To see the 660, see your IH dealer.

68*
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PLASTIC
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DOES NOT SMEAR,
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BATTERY WEAK? DEAD? RUN DOWN?
Easy starting, better lights. Longer life after "Battery-Reviver" treatment. Price \$1.50 (6 or 12 volt battery) 3 packages \$3.50. Treatment for 32 volt light-plant \$10. Guaranteed satisfaction. Western Distributors, Box 24BR, Regina, Sask.

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KEEP HEALTHY, LIVE LONGER, MODERN MEDICAL ENCYCLOPEDIA, profusely illustrated. Information on what to do in any emergency, diseases, treatment, etc., a must in every farm home. 800 double column pages. Send only \$5.95 to MAPLE LEAF ENTERPRISES, Box 96, Toronto 4, Ont. If after 10 days not satisfied, return book, money will be refunded.

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DOLL HOSPITAL, 444 - 11th STREET S.E., MEDICINE HAT. One-piece rubber bodies unstuffed: 14 - 16 in., \$1.75; 18 in., \$2.00; 20 - 22 in., \$2.25; Nylon wigs, 12 - 13 in. head size, \$3.25; 14 - 15 in., head size, \$3.50.

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ACTUAL JOBS IN CANADA, U.S., So. Am., Europe. To \$15,000. Travel paid. Write Employment Info. Center, Room C-6, 470 Stuart St., Boston 16.

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LADIES! NEW IMPROVED DUPREE PILLS! Help relieve pain, associated with monthly periods. \$3.00 or (Triple strength) Cotes pills \$5.00. Air mailed. Western Distributors, Box 24AR, Regina, Sask.

QUIT SMOKING, CHEWING TOBACCO, snuff easily, quickly, reliably, tested remedy. Satisfaction or money refunded. Save your health and money! Complete treatment \$1.98. Western Distributors, Box 24 WR, Regina, Sask.

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RAISE ANGORA, NEW ZEALAND RABBITS on \$500 month plan. Plenty markets. Free details. White's Rabbitry, Dept. R, Delaware, Ohio.

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LIMITED SELECTED STOCKS OF AN IMPROVED AMERICAN VARIETY OF SWEET CLOVER available, to be let out on contract for the American market. This clover is wilt resistant and restores a much greater amount of nitrogen in the soil than ordinary Yellow Blossom. It sells at a higher price. Write us immediately for further information while the seed lasts. Costs \$1.40 per seeded acre. Newfield Seeds Limited, Nipawin, Saskatchewan.

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DEPRESSION PRICES. WE SELL CHEAP. SAVE 75% off-new and used tractor parts, crawlers and wheel tractors. 190 makes and models. 1959 catalog ready. Send 25 cents refundable. Surplus Tractor Parts Corporation, Fargo, N. Dak.

FREE TRACTOR PARTS CATALOG - 1959 Edition. Tremendous savings. World's largest combination stock of guaranteed new and used parts. Central Tractor Parts Co, Des Moines, Iowa, U.S.A.

Stampede tickets going fast

THERE were indications today that the "sold right out" signs would be hung on the grandstand gates at Victoria Park some time before the 1959 Calgary Exhibition and Stampede opens on Monday, July 6.

Officials ascribe the somewhat early demand for tickets to the Dominion-wide telecast of the miniature Stampede staged for H.R.H. Princess Margaret in August, and the unofficial reports, apparently current in Eastern Canada that Her Majesty Queen Elizabeth and Prince Phillip plan to attend the Stampede during their proposed tour of Western Canada in July.

Exhibition and Stampede officials announce, however, that they have no knowledge of any such visit at this time. A number of applicants for grandstand seats have actually asked for tickets "on the day or days that the Queen and Prince Phillip will attend the Stampede."

Starve the bugs

WHAT kind of food does an insect need and why is it important? In these days of rapidly increasing plant breeding knowledge and the greater ability to tailor plants to order, protection from insect attack may be achieved by creating plants deficient in some essential of insect diet.

Malting market

THE market for Canadian barley is growing in the nation's brewing industry.

Brewery purchases of Canadian barley malt during 1957 increased from 380 million pounds to more than 400 million - an increase of 5.3%. This was accompanied by a 3.3% increase in the purchase of Canadian hops.

Hear the . . .

Massey-Ferguson

FARM REPORTER

Featuring CLARE BURT

- News of coming events in your area . .
- Information on Improved farming methods . . .
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EDMONTON

Slow down to Save— and live

YOU can save quite a lot on gas with the car you have, says an engineering director of American Motors, instead of buying a car half its size. Drive more carefully, he advises, use more consideration and courtesy and go easy with the foot pressure, both on the accelerator and the brakes.

A car travelling 80 miles an hour, this expert points out, uses about 50% more fuel than one going 50 miles an hour; a car idling more than a minute has used up more gas than it would take to start it again; faulty spark plugs, dirty air-cleaners and too heavy an oil will add 10% to the fuel bill; jack rabbit starts and brake-slamming stops, aside from being highly dangerous, are extremely wasteful of fuel.

By watching these things, the engineer states, the average driver can save up to a third on his yearly gas bill. He will also save untold wear and tear on his and his fellow driver's nervous system.

Get the best

FORAGE crops play an extremely important part in the farming economy of Western Canada, says the Lethbridge Experimental Farm, on both dry and irrigated land. They provide the cheapest and best source of food nutrients for our livestock industry. They build the soil fertility and provide protection against wind and water erosion. Forage seed crops add substantially to the cash income of the district.

Until recently, there were few varieties of forage crops and the farmer had to be satisfied with ordinary commercial seed. During the last few years plant breeders have been successful in the development of improved forage crops for the great variety of conditions that exists in Western Canada. The development and release of such a variety is the result of years of costly work. Where such improved varieties are available, the farmer would be well advised to make use of them.

Unfortunately, it is not easy to maintain forage crops in pure varieties because most of them must be grown under isolated conditions to prevent crossing. The seed grower who maintains improved stands of forage crops should be paid a premium for his work. He is required to use special care in the preparation of the land, seeding, harvesting, and cleaning the crop. His equipment must be thoroughly cleaned after each operation to prevent contamination of one crop by another. For this reason, the cost of named varieties to the farmer is usually a few cents higher than the unnamed varieties. The advantages of using improved varieties so outweigh this additional cost that farmers should demand them and seed houses should see that they are available. Only by the use of im-

proved varieties can they expect maximum yield and performance.

No coffee shortage

THE coffee-breakers have ample supplies this year apparently. The first estimate of this year's world crop is placed at 58.6 million bags, about 50 million bags of which will be for export. This is an increase of exportable supplies nearly 16% above the previous year.

Farm loans extended

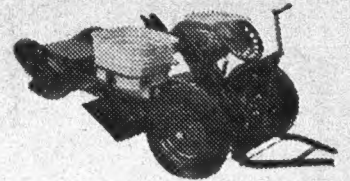
THE so-called small farmer in Manitoba will be able to get

provincial loans now if he qualifies. The Manitoba Farm Credit Act has been extended to allow loans for such operations as bee-keeping, poultry raising and fur-farming, by changing the stipulations on what actually is a farm.

New wiring Act

STARTING January 1st new electrical regulations went into effect in Alberta, part of which requires three wire circuit wiring instead of the old two-wire system. The third wire provides for automatic grounding of defective equipment and appliances.

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Made Its Way the Way It's Made.

Designed for large scale planting. Features uniform depth setting; superior packing for best survival. Plant four miles of field shelters or roadside hedges in one day.

Order now for spring delivery from
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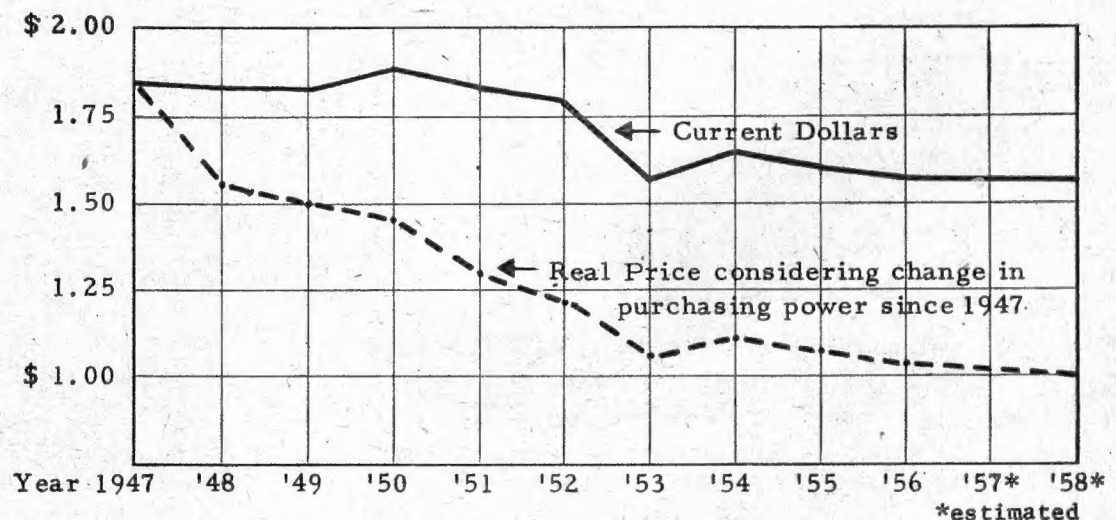
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WHAT IS A BUSHEL OF WHEAT REALLY WORTH ?

LESS TODAY THAN AT ANY TIME SINCE THE DEPRESSION YEARS OF THE THIRTIES

Not only has the price of wheat declined in the past ten years, but the return from a bushel will buy much less. This is shown in the table below:

Wheat Prices



Help to restore the purchasing power of wheat, and establish a sounder basis for prairie agriculture.

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ALBERTA WHEAT POOL

"Farmer-Owned Co-operative"

It's the new MF 65 with amazing Ferguson System!

"Greatest tractor ever built!"

*say these farmers . . .
and many others . . .
right across Canada.*

"I've never seen such enthusiasm for a new tractor," says MF Farm Reporter, Clare Burt. "Every farmer who's worked an MF 65 agrees—it's the 'best all-round tractor in the world!'"

You'll see why there's such enthusiasm when you work a Massey-Ferguson 65 yourself! You'll agree with George Dawson (*top picture, right*) that, with the Ferguson System, plowing has never been so easy or so fast! And, like Doug McMaster (*centre picture*) you'll go for the MF 65's work-easing variable drive P.T.O. in a big way!

As for power—you'll find a load like Tom Walker's (*centre picture*) is child's play to an MF 65! Big hills, small hills—this tractor flattens 'em all! But you get more than great work-ability with an MF 65—you get ease and comfort, too! You'll discover with Bill Casey (*lower picture, right*) that the MF 65's easy steering and handy controls put you in complete and comfortable command of every job you tackle!

So get to know a Massey-Ferguson 65 for yourself real soon! See your Massey-Ferguson dealer and arrange to test-work one on your own farm. See your MF dealer—the man for great terms, trade-in values and service—first thing tomorrow! Get the feel of 'the greatest tractor ever built'.



**MASSEY
FERGUSON**

Massey-Ferguson Limited, Toronto

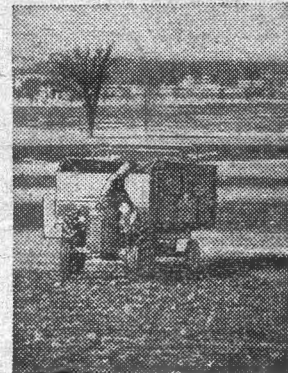
MORE POWER TO THE FARMER



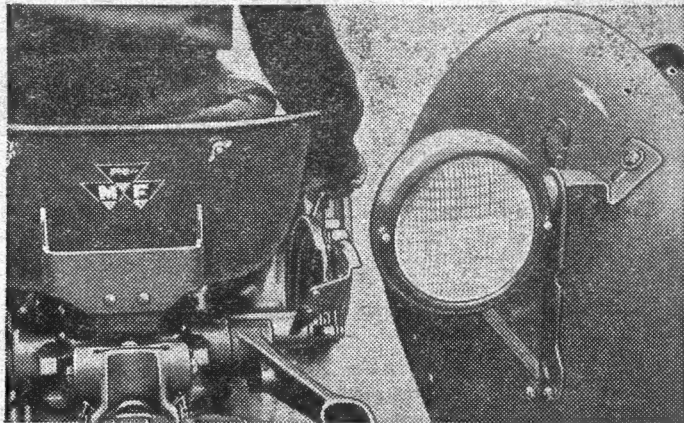
"Four bottoms in heaviest soil—it's easy with the Ferguson System!"



P.T.O. matched to engine speed for baling or corn picking, etc. . . . to ground speed for raking, planting, etc.



"The heaviest loads, the steepest hills—the MF 65 can take 'em all!"



"You're in complete command from the tractor's seat—every control at your fingertips!"



"Economy! That's the biggest feature for me," says Ernie Halbach of Wetaskiwin, Alberta. "It's an all-round dollar-saving tractor!"



"Never seen such power!" George Dawson of St. Ann's, Ont., tells Clare Burt. "It's real lugging power to take on any job you give it!"



"I've seen nothing to beat that Ferguson System," declares Ed Kapaski of Inglis, Manitoba. "It sure makes tractor and implements work as a team!"



"The MF 65's been everything I expected!" says Ray Clarkson of Brampton, Ontario. "Handles 4 furrows easy—and whacks along day after day!"



"This is a really rugged machine," says Bill Drebit of Canora, Saskatchewan. "It can take a pile of abuse and keep going in the toughest working conditions."

there's a **Big**
for **Just**



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ing...

with a **JOHN DEERE**
PRESS GRAIN DRILL



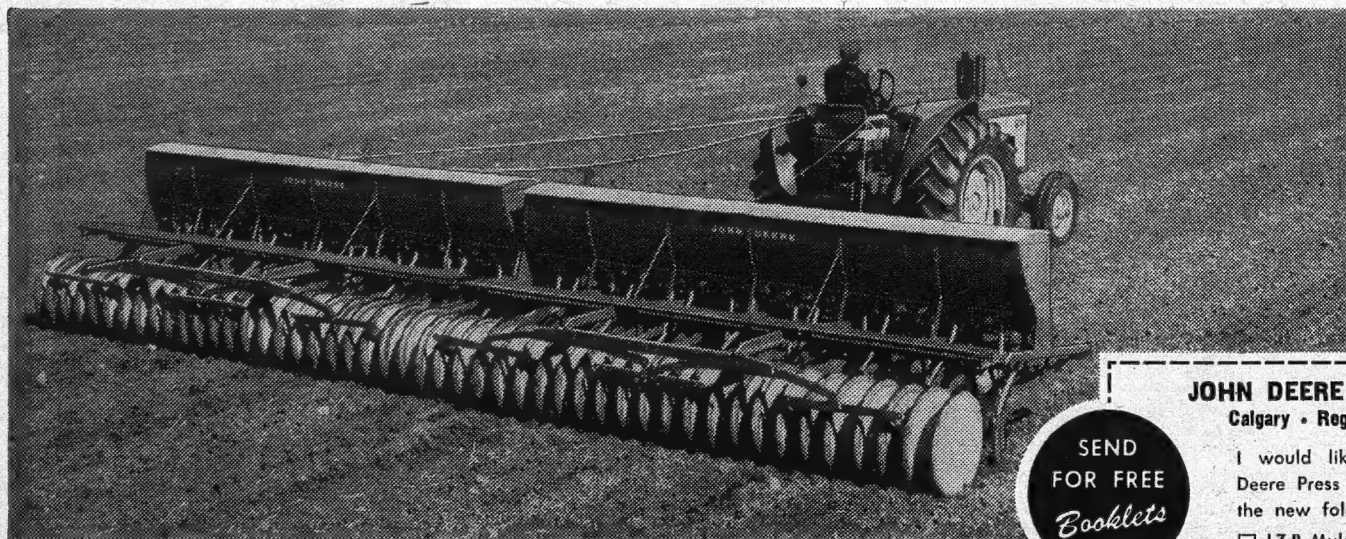
Plant the right amount of seed, plant it at just the right depth—the way you can with a John Deere Press Drill—and you'll get higher yields and bigger profits from every acre. John Deere Press Drills are designed, engineered, and built from the furrow openers right on up to the big-capacity grain box to give you "just-right" planting regardless of your soil, mulch, or moisture conditions.

Leader of plain press drills is the John Deere LL-A, above. It's justly earned its reputation for conserving moisture, combating wind erosion and winterkill while promoting top yields in a given season.

If you farm in a dryland or stubble-mulch area, you'll be bushels and dollars ahead with the John Deere LZ-B, below. The LZ-B is available as a mulch-hoe drill (7-inch spacing) and as a lister drill (14-inch spacing). Both do an outstanding job of planting through the mulch to place uniform quantities of seed at even depth. Trash clearance is second to none.

Find out for yourself this year that there is a big reward for "just-right" planting—a reward of extra bushels and extra dollars—with a John Deere Press Drill. Optional and extra equipment to meet any planting requirement.

JOHN DEERE LL-A PRESS DRILLS can be equipped with openers and press wheels that do a near-perfect job of planting and packing the soil to promote higher yields and conserve moisture and valuable topsoil. Illustrated are two LL-A's with liquid-fertilizer attachments with a John Deere Multi-Hitch behind the economical, fuel-stretching "830" Diesel.



JOHN DEERE MULCH-HOE AND LISTER PRESS DRILLS plant faster, far more accurately, and clear more trash. Specially designed openers penetrate trash—without "raking" it—and place uniform quantities of seed at even depth. The result: faster, more even germination and emergence... even growth, and uniform ripening—a bigger cash profit from every acre.

JOHN DEERE PLOW COMPANY, LTD.
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I would like additional information on John Deere Press Drills. Please send me my copy of the new folder on:

- ☐ LZ-B Mulch-Hoe and Lister Press Drills
☐ LL-A Plain Press Drills.

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"WHEREVER CROPS GROW, THERE'S A GROWING DEMAND
FOR JOHN DEERE FARM EQUIPMENT"

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